New Molluscan Taxa and Scientific Writings of Fritz Haas

On October 20, 1908, the fourth number in the fortieth volume of the *Nachrichtsblatt der Deutschen Malakozoologischen Gesellschaft* was issued in Frankfurt-am-Main. Among the many technical reports, there were three short papers on fresh-water clams written by a young German zoologist, Fritz Haas. Since the preceding year, at the suggestion of Wilhelm Kobelt, he had been studying the variation and ecology of unionids in the Upper Rhine basin.

Now, at the start of his 60th year as a publishing scientist, it is appropriate to review and summarize his career. As these words were being written, Fritz Haas was reading galley and page proof of two much longer papers. One summarizes the living and fossil genera of unionid clams for the "Bivalvia" section in the *Treatise on Invertebrate Palaeontology*. It numbers only a few hundred manuscript pages. The other is a synopsis for "Das Tierreich" covering all living species of unionid clams. It comprises about 1,000 typed pages. Either monograph would be a major contribution from any systematist. Both were written by Fritz Haas considerably after the normal retirement age of 65.

The bare statistics of his career are impressive—a bibliography with 319 entries and a list of 385 new genera and species produced over six decades. Very few scholars compile such a record, but Fritz Haas will be remembered longest, not for the number of papers he wrote, nor for the many taxa he described, but for the major synthetic papers he published and the many more "species" that he reduced to synonymy. His 1940 revision "A tentative classification of the Palearctic Unionids" grouped 1,309 described forms of unionid clams into only 19 species, with 65 geographic races. The "Bivalvia" section in Bronn's *Klassen und Ordnungen des Tierreichs* (1929–1956), "Die Unioniden" in Martini–Chemnitz (1910–1920), the series of papers on Spanish mollusks co-authored with Arturo Bofill (1918–1921), the "Lamellibranchia" section in *Die Tierwelt der Nord- und Ostsee* (1926), "Fauna Malacológica Cataluña" (1929), "Bau und Bildung des Perlen" (1931), and his two latest synoptic studies on

the unionids will assure his place in the history of malacology, even without the many descriptions of new taxa.

Born January 4, 1886, the youngest of four children in a Frankfurt banker's family, Fritz was a naturalist from childhood. Early interests in insects and geological specimens were transferred to mollusks through the influence of his Gymnasium teacher, Oscar Boettger, a famous malacologist and herpetologist, then near the end of a long and illustrious career. Through Oscar Boettger, the young Haas met and worked with Wilhelm Kobelt. Both men had a profound influence on his subsequent career. Meticulous descriptions and well-chosen illustrations characterize Haas' papers, and his early descriptions follow the pattern used by Boettger. Haas' continuing interest in the unionid clams, his grasp of ecology and his great interest in zoogeography, all came from early association with Kobelt.

In this day of population biology and the application of evolutionary theory to systematics, it is difficult to realize the status of molluscan taxonomy during the early 1900's. As nineteenth century Europe had been torn and divided by the Napoleonic and Franco-Prussian wars, so malacology had become divided into opposed camps. Starting in the 1870's, under the leadership of Bourguignat, workers in France and Italy began describing, literally by the hundreds, "species" of land and fresh-water mollusks. Their "*nouvelle école*" totally ignored factors of the soft anatomy, phenotypic and intrapopulational variation, geography, hinge structure, and shell sculpture in the unionids. They used a completely typological approach, relying on a few gross shell measurements and simple ratios to discriminate their "species." Carried to its logical extreme, almost every specimen became a "species." The influence of this school still haunts systematic malacology, since it is far simpler to propose new names than to prove that named forms are minor variations of biological species.

Even at the height of Bourguignat's influence, many malacologists did not accept his premises. In France, Drouët and the Fischer family, in Germany Kobelt and the Boettgers, most of the English, American and Scandinavian workers began to grope toward an understanding of geographic and phenotypic variation. Kobelt focused attention on the probable importance of hydrographic boundaries and local variation in unionid evolution, but he was too old for the intensive field work and collection study required. Fritz Haas provided the evidence and hard work needed to confirm Kobelt's inspired hypotheses.

Although Boettger and Kobelt were primarily responsible for the form and substance of Fritz Haas' work, his Ph.D. was obtained under the direction of Prof. Buetschli at Heidelberg. A source of quiet pride to Fritz was the receipt of a certificate from Heidelberg on February 22, 1960 honoring the 50th anniversary of his Ph.D. examinations. While working for his degree he made his first foreign field trip, to Norway, for studies in marine biology. His dissertation was concerned with the evolution of, and distributional patterns shown by the unionids in the Upper Rhine Valley. Considerable field work, both winter and summer, was required. Collecting unionids is not at all glamorous, but is a wet and muddy activity. Although Fritz was working for a Ph.D., even during the winter months he felt it was prudent to walk the streets until his clothes dried, rather than coming home wet and muddy to face his mother's concern. This problem is common with young naturalists today and is solved in similar fashions!

Early in 1910 he began publishing a continuation of the "Die Unioniden" in Martini-Chemnitz and on January 1, 1911 was appointed Assistant Keeper of Invertebrate Zoology at the Natur-Museum Senckenberg, Frankfurt. Field activities in many parts of southern Germany, a continuous stream of publications on unionids and work with the huge unionid collection were mixed with reports on mollusks from Indonesia and the Sudan, his first of many papers on expedition materials.

In August, 1914, Fritz and two companions were on a collecting trip in the Pyrenees. Human habitations and interesting land mollusks seldom are found together, and their infrequent visits to small towns were only to replenish supplies. Many informal and officially unobserved crossings of the French-Spanish border were made. Unexpectedly, a visit to a small French town provided a turning point in his career. Unknown to the collectors, full troop mobilization of the French and German armies had been ordered. Shooting had not started, but people were alert for spies and saboteurs. The appearance of three Germans in a French border town resulted in swift arrest. Fortunately, the local magistrate was intelligent and no more in favor of war than were the German snail collectors. Instead of being interned, the Germans were kept under comfortable armed guard for one night, then allowed to go by train to Sète, where they just managed to obtain passage to Spain on a crowded ship.

Hence World War I saw Fritz Haas stranded in Spain rather than interned in France. It was not until 1919 that he returned to Ger-

many, but the intervening years had been very productive. He made quite extensive collections, published studies on historical unionid collections in Spanish museums, sent letters to Frankfurt outlining his intensive collecting efforts in the Pyrenees and began to prepare the long series of papers (1919–1921) with Arturo Bofill that remain as definitive works on the Spanish fauna.

The inflation and economic turmoil of Germany in the 1920's restricted Fritz's field work, but barely slowed his research activity. Early in 1920 he became editor of the *Archiv für Molluskenkunde*, the successor of the venerable *Nachrittsblatt*. In 1921, a volunteer worker from Mainz, Helene Ganz, was assigned to help Fritz Haas at the Senckenberg Museum. She proved indispensable, and on March 30, 1922, shortly after Fritz had been promoted to Keeper of Invertebrate Zoology, she became Mrs. Fritz Haas. Forty-five years later, she is still assistant and helper in his work and his devoted companion.

Economic conditions ended publication of his work "Die Unioniden" as part of Martini–Chemnitz, but an invitation to write the "Bivalvia" sections for Bronn's *Klassen und Ordnungen des Tierreichs* provided another outlet for Fritz's energies. Eventually, this project was to number over 2,400 printed pages. The first section was issued in 1929, but not until 1956 did the final part appear. During the 1920's, he also wrote the "Lamellibranchia" section in *Die Tierwelt der Nord- und Ostsee* (1926), "Fauna Malacológica Cataluña" (1929) and "Bau and Bildung des Perlen" (1931).

During part of 1931 and 1932 he was in southern Africa as a member of the Schomburgk Expedition. Material from the Congo, Angola, Rhodesia, Kenya and South Africa, much of which was self-collected, was reported on in his "Binnen-Mollusken aus Inner-Afrika" (1936).

Increasing governmental persecution of Germans belonging to the Jewish faith penetrated even into museums and forced his removal as Keeper of Invertebrate Zoology at the Natur-Museum Senckenberg on June 30, 1936. It became obvious that the Haas family had to leave Germany. Personal savings were used for Fritz to visit Brazil and the United States in search of a job. During the first part of 1937 he collected in northeastern Brazil, the ostensible reason for the trip, and was aided by R. von Ihering, nephew of the famous Hermann von Ihering, with whom Fritz had collaborated for many years. His first attempts at job hunting in the United States failed. Economic conditions of 1937 and 1938 did not permit hiring of malacologists by American museums. After considerable difficulty, and

with the help of the Emergency Committee in Aid of Displaced German Scholars and the generosity of the Jewish Welfare Fund of Chicago, Fritz Haas was hired as Curator of Lower Invertebrates by the Field Museum of Natural History, Chicago. Although the United States did not require his return to Germany before re-entering the United States as an immigrant, in order to be certain that his wife and two children could join him, he went back to Frankfurt in March, 1938. Permission to leave included taking only 10 marks for each adult, and on July 22, 1938 the Haas family landed in New York. On August 1, 1938 he started work at the Field Museum.

At the age of 52, when many scientists are actively planning for retirement, Fritz Haas had to begin a second career. From the huge collections and fantastic library resources of Senckenberg, which rank among the finest in the world, he came to a Museum where the only invertebrates were leftover exhibits from the Columbian Exposition of 1893, there had never been an invertebrate zoologist, and only minimal literature on mollusks was available.

During his first 28 years of research activity he had at his fingertips unequaled raw materials and library facilities. Now, instead of using established facilities, he had to develop these resources. The Frankfurt Museum had accumulated the collections of competent specialists for 120 years; at Chicago there was miscellaneous material of little scientific importance and a few pretty sea shells from exhibits.

Over the next 18 years, with only occasional help from summer workers and volunteers, he expanded, rehoused, relabeled, and reidentified the miscellaneous collections of mollusks in the Field Museum. With the strong backing of Chief Curator of Zoology, Karl P. Schmidt; the Museum Director, Clifford C. Gregg; and President of the Board of Trustees, Stanley Field, an excellent molluscan library was gradually accumulated, modern storage facilities were provided and the nucleus of a research collection established. With admirable foresight, recognizing the inevitable growth of collections, he developed a system of specimen storage that uses far less space per set of shells than is required in other museum collections. Although at Frankfurt he had emphasized research, he greatly enjoyed bringing order out of chaos and seeing the collection begin to reach usable proportions. Progress was slow, and when I first met Fritz Haas, in 1943, parts of the original marine shell collection still had to be reordered. Naturally, he had given first attention to the unionid clams and all non-marine mollusks, leaving the sea shells until last. The sight of these numbered specimens, lying loose in huge wooden trays

with the old-fashioned exhibition labels lying torn and dirty beside them, gave me some feeling of what the first few months at Field Museum must have meant to Fritz Haas.

At first, with all his efforts required to organize the collection, publications were few. Early years in Chicago saw his "A tentative classification of the Palearctic Unionids" (1940), summarizing 33 years' work on unionids in Europe, several notes resulting from his work on the Field Museum mollusk collection, and the first few descriptions of South American non-marine mollusks. In 1942, Field Museum purchased the Walter F. Webb collection of land and freshwater shells. Consisting primarily of the Gerard K. Gude collection, supplemented by one part of the Quadras Philippine collection, plus many other shells purchased by Webb, this provided the nucleus of a research collection. Many small collections from numerous sources were received and processed. By 1954, when the 20,000 sets of the Webb collection finally were completely integrated, 54,000 entries comprised the Field Museum's mollusk collection. Essentially all of these had been labeled, catalogued and reidentified by Fritz Haas.

Through the years, much material from South America came to Fritz Haas for study. Some were taken on field trips and expeditions of Field Museum of Natural History, others came from correspondents or resident scientists in Latin America. Fritz Haas also made several brief trips to different parts of the United States, Bermuda, Cuba and Canada. While he produced many short papers on these collections, his main efforts were devoted to descriptions and distributional studies on Latin American shells. Next to the Unionidae, he described more taxa of Bulimulidae than any other group. Most of these names date from his work in Chicago during the 1950's and early 1960's.

In 1956, I was added to the staff as Assistant Curator of Lower Invertebrates, and on January 1, 1959, Fritz Haas officially retired to become Curator Emeritus of Lower Invertebrates. Thus progressively freed from administrative responsibility, and for the first time in his working days, having assistance in the routine of specimen processing, Fritz could adjust his work habits to a new schedule. Mornings he devoted to checking identifications and cataloguing material from the great influx of formed molluscan collections that were received by the Museum during the late 1950's. At first he missed typing his own labels and housing the specimens himself, but he soon began to enjoy this new freedom from drudgery. Through 1965 these morning endeavors added an average 5,000 sets per year to the mol-

lusk collection. The 156,000 catalogued sets of mollusks now in the Field Museum of Natural History are possible only because Fritz Haas devoted so many years to routine specimen processing.

Afternoons were reserved for research. From the summer of 1961 until late in 1964, every afternoon was spent preparing his manuscript for "Das Tierreich." The growing staff was treated to a never-ending rattle of his typewriter as the manuscript piled higher and higher. A "two-fingered" typist, Fritz's speed was legendary among Museum secretaries. After completing the unionid revision, Fritz switched to full-time work on the formed collection backlog, except for occasional study of new South American material. In December, 1965, he suffered a stroke and, until recently, was only partly active. Resumption of activity and arrival of galley sheets fortunately coincided.

Throughout the years, he has served as a major resource for the scientific and library staff of Field Museum. Some of my earliest memories concern the streams of Museum staff with questions as to European or African localities, letters to be translated, or classical allusions to be explained. Instead of coffee breaks, Fritz takes walking breaks through the other scientific departments. It soon became a habit to hold queries for him. Often the short walk developed into a long absence during which he aided in some translation or helped locate some obscure locality. He was often the despair of our telephone operator who had to locate him "somewhere" in the building.

For decades his hobby has been etymology and his linguistic abilities are considerable. By his own reckoning, he speaks German, English, French, Spanish and Catalonian, and can read and understand Portuguese, Italian, Dutch, Swedish, Danish, Latin and Greek. More than slight knowledge of several other languages was often evident, but he never claimed fluency. Throughout his life he has been a voracious reader and, in every sense of the word, Fritz Haas is a truly educated man. His knowledge of the humanities is encyclopaedic. In later years, he over-awed generations of students from Antioch College who could not believe that a scientist would know more art, literature or music than a college major in that subject.

Of equal amazement, then delight, to successive student workers, and of continual pleasure to the Museum staff, is his pixilated sense of humor. Often one is left speechless. Although slowed by the stroke, his humor remains undiminished. In mid-1966, our new divisional secretary, Mrs. Rendleman, was brought up short by being

called "Mrs. Debarker."[1] Although managing to retaliate with "Dr. Bunny," she was corrected, with a twinkle, as to her mistaken etymology. On his return this year from Florida, where he had been a refugee from cold and snow since Christmas, he replied to questions about how he felt with "My doctor hasn't told me yet!" In keeping with this, although many species and several genera have been named after him, his greatest pleasure was in learning of *Pisidium lepus* Kuiper, 1957, a translation of his name well fitting his sense of humor.

Work has always been a personal and private matter for Fritz Haas. In keeping with the tradition of Kobelt, who refused to publish his own views on unionid evolution until after Bourguignat was dead, Fritz has not indulged in published controversy. It is only with the utmost difficulty that he can be persuaded to comment on papers written by others, particularly work relating to the unionids. Similarly, despite almost 25 years of association and friendship, the only comments he has ever made on my manuscripts have been to correct the gender of a name or to insert needed diacritical marks. By the same token, his manuscripts were not shown to other malacologists for comments and suggestions prior to publication. Conversations with Fritz on any subject but scientific matters are delightful and fascinating, but none of his Museum colleagues can recall having a lengthy scientific discussion with him.

This seeming aloofness from controversy and lack of communication with fellow scientists express the mores of a gentler era and the view of a truly inner directed man. Throughout his two careers, in Frankfurt as the user of major research facilities, and in Chicago as the developer of major research facilities, his life has been guided in a successful search for knowledge. Few men could wish for more.

Acknowledgements

First and foremost, compilation of this bibliography, done without his awareness, has been made possible by Fritz Haas. Since 1908, he has maintained a personal record book in which all publications and all new names have been entered. Without this, my task would have been much more difficult. Every reference has been checked, and, for the new names, data on type locality, holotype deposition and inclusive pagination added. For help in this task, I am deeply indebted to Mrs. Rita Mecko, Miss Pamela Sheely, Mrs. Sandra Rendleman and Miss Victoria Leuba. Dr. Adolf Zilch and Dr. Eugene

[1] Rendleman may be derived from the German *Rindenmann*, the person who strips the bark off logs in a sawmill.

Binder provided data concerning the catalogue numbers of many type specimens.

SCIENTIFIC PUBLICATIONS OF FRITZ HAAS

By his own reckoning, Fritz Haas has published "only" 276 articles. There are 319 entries in the following bibliography, since several of his major publications appeared in parts over many years and several articles that appeared as numbered parts in successive issues of a journal were listed by him as single publications.

The following list reflects chronology by and within years. Where possible, exact dates of publication are given and the titles listed in order of appearance. Where the exact date could not be ascertained with the resources available, the papers are listed at the end of that year's group.

Dates for "Die Unioniden" are taken from the signature sheets and show an irregular chronology. Possibly these are printing dates and the parts were actually distributed in a more logical fashion. Determination of this is left to others more interested in historical bibliography.

1908a. Neue und wenig bekannte Lokalformen unserer Najadeen I. Nachr. Bl. dtsch. malak. Ges., **40** (4): pp. 174–176 (20 October).

1908b. Ein neuer fossiler *Unio*. Nachr. Bl. dtsch. malak. Ges., **40** (4): pp. 177–178 (20 October).

1908c. Die Verbreitung der Flussperlmuschel im Odenwald. Nachr. Bl. dtsch. malak. Ges., **40** (4) Beiträge I: pp. 8–16 (20 October).

1909a. Über *Unio auricularius* Spengler. Nachr. Bl. dtsch. malak. Ges., **41** (1) Beiträge II: pp. 20–25 (20 January).

1909b. Neue und wenig bekannte Lokalformen unserer Najadeen II. Nachr. Bl. dtsch. malak. Ges., **41** (1) Beiträge II: pp. 26–32 (20 January).

1909c. Die Vogelfauna des Aalkustensees (Wurtt.). Zool. Beobachter, **50** (1): pp. 24–25 (January).

1909d. Die Namen unserer Unioniden-Gattungen. Nachr. Bl. dtsch. malak. Ges., **41** (2): pp. 68–72 (15 April).

1909e. Einige Ratschläge zum Fang der einheimischen Süsswasserbivalven. Nachr. Bl. dtsch. malak. Ges., **41** (2) Beiträge III: pp. 33–41 (20 July).

1909f. Aus dem Formenkreise des *Unio tumidus* Retz. Nachr. Bl. dtsch. malak. Ges., **41** (2) Beiträge III: pp. 46–48 (20 July).

1910a. Die Najadenfauna des Oberrheins vom Diluvium bis zur Jetztzeit. Abhandl. senckenb. naturf. Ges., **32**: pp. 143–178, Taf. 13–15, 12 text figs. (20 February).

1910b. Die Unioniden. Neubearbeitung und fortsetzung der Küsterschen und Clessinschen monographien von *Unio* und *Anodonta*. *In* Martini–Chemnitz. Syst. Conch. Cab. (IX 2 II): pp. 49–64, pls. 12A–17 (10–13 March).

1910c. Die Unioniden. Neubearbeitung und fortsetzung der Küsterschen und Clessinschen monographien von *Unio* und *Anodonta*. *In* Martini–Chemnitz. Syst. Conch. Cab. (IX 2 II): pp. 65–72 (15 May).

1910d. On *Unio, Margaritana, Pseudanodonta,* and their occurrence in the Thames Valley. Proc. Malac. Soc. London, **9** (2): pp. 106–112 (30 June).

1910e. Neue Najaden. Nachr. Bl. dtsch. malak. Ges., **42** (3): pp. 97–103 (15 July).

1910f. Neue und wenig bekannte Lokalformen unserer Najaden III. Nachr. Bl. dtsch. malak. Ges., **42** (3) Beiträge IV: pp. 56–62 (15 July).

1910g. *Unio musivus* Spengler. Nachr. Bl. dtsch. malak. Ges., **42** (3) Beiträge IV: pp. 62–64 (15 July).

1910h. Die Unioniden. Neubearbeitung und fortsetzung der Küsterschen und Clessinschen monographien von *Unio* und *Anodonta*. *In* Martini–Chemnitz. Syst. Conch. Cab. (IX 2 II): pp. 1–48, Taf. 1–12, text fig. 1 (1–15 August).

1910i. *Pseudunio,* neues Genus für *Unio sinuatus* Lam. Nachr. Bl. dtsch. malak. Ges., **42** (4): pp. 181–183 (31 October).

1910j. New Unionidae from East Asia. Ann. Mag. Nat. Hist., ser. 8, **6**: pp. 496–499.

1911a. Neue ostasiatische Najaden. Nachr. Bl. dtsch. malak. Ges., **43** (1): pp. 43–47 (1 February).

1911b. Die geologische Bedeutung der rezenten Najaden. Geol. Rundschau, **2**: pp. 87–90 (2 May).

1911c. Die Unioniden. Neubearbeitung und fortsetzung der Küsterschen und Clessinschen monographien von *Unio* und *Anodonta*. *In* Martini–Chemnitz. Syst. Conch. Cab. (IX 2 II): pp. 73–80, Taf. 18–23 (30 May).

1911d. *Unio gentilis* n. sp. und *Anodonta piscinalis* Nils. *In* P. Hesse. Zur Kenntnis der Molluskenfauna von Ostrumelien. Nachr. Bl. dtsch. malak. Ges., **43** (3): pp. 151–153 (18 July).

1911e. Die Unioniden. Neubearbeitung und fortsetzung der Küsterschen und Clessinschen monographien von *Unio* und *Anodonta*. *In* Martini–Chemnitz. Syst. Conch. Cab. (IX 2 II): pp. 81–112, Taf. 24–29 (1–25 July).

1911f. Bemerkungen über *Jolya letourneuxi* Bgt. Nachr. Bl. dtsch. malak. Ges., **43** (4): pp. 216–220, Taf. 1 (10 October).

1911g. Prof. Dr. Oscar Boettger—Sept. 25, 1910. Jh. u. Mitt. Oberrhein. Geol. Ver., N.F., **1** (2): pp. 19–20. *Also* Entomologische Blätter, **6**: pp. 267–268 and Zoologisches Beobachter, **51**: pp. 257–259.

1911h. Bulgarische Najaden. Abhandl. Natur. Ges. Gorlitz, **27**: pp. 235–238.

1911i. Die Unioniden des Oberrheins. Rossmaisler's Icon. land-u.-Süssw. Moll., N.F., **17**: pp. 38–46, Taf. 469–470.

1911j. Genus *Colletopterum* Boettger. Rossmaisler's Icon. land-u.-Süssw. Moll., N.F., **17**: pp. 46–51, Taf. 471–474.

1911k. Der tibetanische Bär. Ber. senckenb. naturf. Ges., **42** (4): pp. 259–261, 1 text fig.

1911l. *Review of*: P. Hesse. Die Anatomie einiger Arten des Genus *Hemicycla* Swainson. Ber. senckenb. naturf. Ges., **42**: p. 328.

1912a. Die Unioniden. Neubearbeitung und fortsetzung der Küsterschen und Clessinschen monographien von *Unio* und *Anodonta*. *In* Martini–Chemnitz. Syst. Conch. Cab. (IX 2 II): pp. 113–144, Taf. 30–35 (10–25 February).

1912b. Die Unioniden. Neubearbeitung und fortsetzung der Küsterschen und Clessinschen monographien von *Unio* und *Anodonta*. *In* Martini–Chemnitz. Syst. Conch. Cab. (IX 2 II): pp. 145–168, Taf. 36–41 (11–15 March).

1912c. Zusatz zu meinen "Bemerkungen über *Jolya letourneuxi* Bgt." in Nummer 4 des Nachrichtsblattes von 1911. Nachr. Bl. dtsch. malak. Ges., **44** (2): pp. 85–87 (1 April).

1912d. Die geographische Verbreitung der westdeutschen Najaden. Verh. naturh. Ver. preuss. Rheinlande und Westfalens, **68**: pp. 505–528, Taf. 4–7.

1912e. New land and fresh-water shells, collected by Dr. J. Elbert in the Malay Archipelago. Ann. Mag. Nat. Hist., ser. 8, **10**: pp. 412–420.

1912f. Die Molluskenausbeute der Sunda-Expedition. *In* J. Elbert. Die Sunda-Expedition des Vereins für Geographie und Statistik zu Frankfurt-am-Main, **2**: pp. 308–315, text figs. 161–162.

1912e. Mollusca für 1910 (Faunistik, Systematik, Biologie). Arch. Naturg., Band 6, **77** (1): pp. 54–98.

1913a. Bemerkungen über Spenglers Unionen. Vidensk. Meddel. fra Dansk naturh. Foren. i Kbhvn., **65**: pp. 51–66, 3 text figs., Taf. III (6 January).

1913b. Neue Najadengattungen. Nachr. Bl. dtsch. malak. Ges., **45** (1): pp. 33–38 (27 January).

1913c. *Vivipara maritzana* n. sp. und *Unio* aff. *vescoi* Bgt. *In* P. Hesse. Zur Kenntnis der Molluskenfauna von Ostrumelien. II. Nachr. Bl. dtsch. malak. Ges., **45** (2): pp. 71–73 (17 May).

1913d. (Fritz Haas & Ernst Schwarz). Zur Entwicklung der afrikanischen Stromsysteme. Geol. Rundschau, **4** (8): pp. 603–607, 1 text fig. (24 June).

1913e. *Review of*: "Biologie der europäischen Süsswassermuscheln" von W. Israel. Nachr. Bl. dtsch. malak. Ges., **45** (3): pp. 136–137 (12 July).

1913f. Neue und wenig bekannte Lokalformen unserer Najaden. Nachr. Bl. dtsch. malak. Ges., **45** (3): pp. 105–112 (12 July).

1913g. (C. R. Boettger & F. Haas). Land and fresh-water shells from the Upper Nile region. Proc. Malac. Soc. London, **10** (6): pp. 355–361, 2 text figs. (22 September).

1913h. Neue Süsswasserschnecken aus Central-Buru. Nachr. Bl. dtsch. malak. Ges., **45** (4): p. 184 (20 October).

1913i. Die Unioniden. Neubearbeitung und fortsetzung der Küsterschen und Clessinschen monographien von *Unio* und *Anodonta*. *In* Martini–Chemnitz. Syst. Conch. Cab. (IX 2 II): pp. 169–184, Taf. 42–47 (21–25 November).

1913j. (F. Haas & E. Schwarz). Die Unioniden des Gebietes zwischen Main und deutscher Donau in tiergeographischer und biologischer Hinsicht. Abhandl. Königlich Bayerischen Akad. der Wissen. (math.-Physik. Kl.), **26** (7): pp. 1–34, Taf. 1–3 (November).

1913k. Der Schopfibis. Ber. senckenb. naturf. Ges., **44** (4): pp. 283–286, 1 text fig.

1914a. *Bythinella compressa montis-avium*, eine neue Quellschnecke aus dem Vogelsberg. Nachr. Bl. dtsch. malak. Ges., **46** (1): pp. 38–39, 1 text fig. (11 February).

1914b. Die Unioniden. Neubearbeitung und fortsetzung der Küsterschen und Clessinschen monographien von *Unio* und *Anodonta*. *In* Martini–Chemnitz. Syst. Conch. Cab., (IX 2 II): pp. 185–208, Taf. 48–53, text figs. 2–3 (13–28 February).

1914c. Die Unioniden. Neubearbeitung und fortsetzung der Küsterschen und Clessinschen monographien von *Unio* und *Anodonta*. *In* Martini–Chemnitz. Syst. Conch. Cab., (IX 2 II): pp. 209–224, text figs. 4–7 (29 April).

1914d. *Prohyriopsis*, neue Gattung für *Unio stolatus* Marts. Nachr. Bl. dtsch. malak. Ges., **46** (2): pp. 76–78 (5 May).

1914e. Die Unioniden. Neubearbeitung und fortsetzung der Küsterschen und Clessinschen monographien von *Unio* und *Anodonta*. *In* Martini–Chemnitz. Syst. Conch. Cab., (IX 2 II): pp. 225–304, Taf. 54–68, text figs. 8–13 (1–23 May).

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1933c. Bemerkungen über und Neubeschreibungen von Heliciden aus Zypern und Palästina. Senckenbergiana, **15** (1/2): pp. 25–31, 10 text figs. (31 May).

1933d. Zur Systematik der chinesischen "Helicodonten." Arch. Moll., **65** (4/5): pp. 230–231 (15 July).

1933e. Die Schale der Muscheln als Beispiel eines Skelettes wirbelloser Tiere. Medizinische Klinik, **29** (31): pp. 1051–1052, 5 text figs. (28 July).

1933f. (W. Beissenhirtz & F. Haas). Laichablage eines Seepolypen (*Polypus vulgaris*) im Frankfurter Zoologischen Garten. Natur u. Museum, **63** (8): pp. 267–271, 7 text figs. (1 August).

1933g. Kurze Bemerkungen. Arch. Moll., **65** (6): pp. 271–272 (1 November).

1933h. Binnenmollusken aus Süd-und Südwestchina. Senckenbergiana, **15** (5/6): pp. 310–322, 12 text figs. (29 December).

1933i. Schomburgk-Expedition nach Süd-und Mittelafrika. Der Biologe, **2** (6): pp. 140–142, 1 text fig.

1933j. Bivalvia. I. *In* Bronn. *Klassen und Ordnungen des Tierreichs*, Band 3, Abt. III, Teil I, Lief. 4: pp. 385–544, 60 text figs.

1933k. Bivalvia. I. *In* Bronn. *Klassen und Ordnungen des Tierreichs*, Band 3, Abt. III, Teil I, Lief. 4, II. Nachtrag zum Schritenver.: pp. I-1–I-41.

1934a. Bivalvia. I. (1). *In* Bronn. *Klassen und Ordnungen des Tierreichs*, Band 3, Abt. III, Lief. 5: pp. 545–704, 105 text figs. (1 April).

1934b. Kurze Bemerkungen, II. Arch. Moll., **66** (3): pp. 149–151 (1 May).

1934c. Beschreibung von zwei neuen *Viviparus*-Arten aus Afrika. Zool. Anz., **106** (10): pp. 237–240, 8 text figs. (20 May).

1934d. Über einige Landschnecken von Zypern. Senckenbergiana, **16** (1): pp. 16–21, 9 text figs. (24 May).

1934e. Beschreibung einiger afrikanischer Binnenschnecken. Zool. Anz., **107** (7/8): pp. 221–224, 4 text figs. (15 August).

1934f. Neue Landschnecken des Senckenberg-Museums. Senckenbergiana, **16** (2/3): pp. 94–98, 16 text figs. (5 October).

1934g. Kurze Bemerkungen III. Arch. Moll., **66** (6): pp. 354–357 (15 October).

1934h. Einige neue Binnenschnecken aus Asien und Afrika. Zool. Anz., **108** (7/8): pp. 202–205, 6 text figs. (15 November).

1934i. Bivalvia. I. *In* Bronn. *Klassen und Ordnungen des Tierreichs,* Band 3, Abt. III, Lief. 6: pp. 705–864, 127 text figs. (1 December).

1935a. Kleine Bemerkungen IV. Arch. Moll., **67** (1): pp. 45–47 (1 January).

1935b. Beschreibung neuer Untergattungen und Arten von Mollusken. Zool. Anz., **109** (7/8): pp. 188–195, 13 text figs. (15 February).

1935c. Kurze Bemerkungen V. Arch. Moll., **67** (3): pp. 107–112 (1 May).

1935d. Zur Systematik und geographischen Verbreitung der im paläarktischen Gebiet vorkommenden *Bulinus*-Arten (Moll. Pulm.). Arch. Naturgesch., N.F., **4** (2): pp. 230–244, 16 text figs. (25 June).

1935e. Kurze Bemerkungen VI. Arch. Moll., **67** (4/5): pp. 164–167 (15 August).

1935f. Zur Mollusken-Fauna der Picos de Europa (Asturien, Spanien). Senckenbergiana, **17** (5/6): pp. 241–243, 3 text figs. (28 December).

1935g. Bivalvia. I. *In* Bronn. *Klassen und Ordnungen des Tierreichs,* Band 3, Abt. III, Teil I, Lief. 7: pp. 865–984, 71 text figs. (31 December).

1935h. Bivalvia. I. *In* Bronn. *Klassen und Ordnungen des Tierreichs,* Band 3, Abt. III, Teil I, Lief. 7, II. Nachtrag zum. Schriftenver.: pp. II-1–II-20 (31 December).

1936a. Kurze Bemerkungen VII. Arch. Moll., **68** (3): pp. 127–131 (1 May).

1936b. Neue und kritische Arten der Heliciden-Unterfamilie Helicellinae (Moll. Gastr. Pulm.). Zool. Anz., **114** (11/12): pp. 297–305, 19 text figs. (15 June).

1936c. Binnen-Mollusken aus Inner-Afrika, hauptsächlich gesammelt von Dr. F. Haas während der Schomburgk-Expedition in den Jahren 1931/32. Abhandl. senckenb. naturf. Ges., **431**: pp. 1–156, Taf. 1–8, 17 text figs. (20 July).

1936d. Kurze Bemerkungen VIII. Arch. Moll., **68** (4/5): pp. 214–216 (1 August).

1936e. Zur Geschichte der Malakozoologie und zur Entwicklung der Malakozoologischen Sammlungstechnik. Arch. Moll., **68** (6): pp. 252–256 (15 September).

1936f. Malakologische Bemerkungen und Neubeschreibungen. Senckenbergiana, **18** (3/4): pp. 143–154, 29 text figs. (7 November).

1937a. Neue und kritische Pupilliden. Arch. Moll., **69** (1/2): pp. 2–18, 3 Taf. (1 January).

1937b. Bivalvia. II. *In* Bronn. *Klassen und Ordnungen des Tierreichs*, Band 3, Abt. III, Teil II, Lief. 7: pp. 1–208, 150 text figs. (1 August).

1937c. Kurze Bemerkungen IX. Arch. Moll., **69** (5/6): pp. 244–246, 3 text figs. (1 November).

1938a. Über potentielle Skulpturbildung bei *Valvata (Cincinna) piscinalis antiqua* (Sow.). Arch. Moll., **70** (1): pp. 41–45, 6 text figs. (15 January).

1938b. Bivalvia. II. *In* Bronn. *Klassen und Ordnungen des Tierreichs*, Band 3, Abt. III, Teil II, Lief. 2: pp. 209–466, 15 text figs. (24 May).

1938c. Neue Binnen-Mollusken aus Nordost-Brasilien. Arch. Moll., **70** (1): pp. 46–51, 10 text figs. (15 January).

1938d. *Sairostoma perplexum* n. gen. n. sp. der Streptaxiden aus NO-Brasilien. Arch. Moll., **70** (4): pp. 206–208, 2 text figs. (15 July).

1939a. Fantastic Invertebrate creatures of the sea are shown in a new hall. Field Museum News, **10** (5): p. 1, 1 pl. (May).

1939b. Zur Kenntnis der Binnen-Mollusken NO-Brasiliens. Senckenbergiana, **21** (3/4): pp. 254–278, 3 text figs. (31 August).

1939c. Malacological Notes. Field Mus. Nat. Hist., Zool. Ser., **24** (8): pp. 93–103, text figs. 7–9 (19 September).

1939d. On the life habits of some tropical fresh-water mussels. Nautilus, **53** (2): pp. 53–56 (20 October).

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1941b. Malacological Notes—II. Field Mus. Nat. Hist., Zool. Ser., **24** (17): pp. 167–174, pls. 1–2 (31 January).

1941c. Bivalvia. II. *In* Bronn. *Klassen und Ordnungen des Tierreichs*, Band 3, Abt. III, Teil II, Lief. 3: pp. 467–678, 42 text figs. (June).

1941d. What is *Anodonta* (*Euphrata*) *bahlikiana* Pallary? Nautilus, **55** (1): pp. 20–21 (11 July).

1941e. *Obstructio* versus *Tropicorbis*. Nautilus, **55** (1): pp. 31–32 (11 July).

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1942b. The habits of life of some west coast bivalves. Nautilus, **56** (1): pp. 30–33 (23 July).

1942c. Important mollusk collection acquired by Museum. Field Museum News, **13** (7): p. 4, 1 text fig. (July).

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1945a. Malacological Notes—IV. Fieldiana: Zool., **31** (2): pp. 3–14, 2 text figs. (19 September).

1945b. Some remarkable shells of a South American fresh-water mussel. Fieldiana: Zool., **31** (3): pp. 15–30, pl. 3 (19 September).

1945c. Collective Mimicry. Ecology, **26** (4): pp. 412–413 (October).

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1948c. Three new land shells from Peru. Fieldiana: Zool., **31** (23): pp. 189–193, text figs. 38–40 (30 December).

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1949d. An overlooked Chinese Unionid. Nautilus, **63** (2): pp. 70–71 (1 November).

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1950a. Hermit crabs in fossil snail shells in Bermuda. Ecology, **31** (1): p. 152 (10 February).

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1950c. Sovereigns and Science. Bull. Chgo. Nat. Hist. Mus., **21** (8): p. 8 (August).

1950d. On some Bermudian Ellobiidae. Proc. Malac. Soc. London, **28** (4–5): pp. 197–199, pl. 22 (18 December).

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1951c. Non-marine shells from Borneo. Collected by the Borneo Zoological Expedition, 1950. Fieldiana: Zool., **31** (52): pp. 623–628, text figs. 132–133 (5 September).

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1952b. Some Non-Marine Mollusks from Northwest and Southwest Siam. Nat. Hist. Bull. Siam Soc., **15** (1): pp. 21–25 (September).

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1953b. Mollusks from Ilha Grande, Rio de Janeiro, Brazil. Fieldiana: Zool., **34** (20): pp. 203–209, text figs. 41–42 (24 July).

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1956a. A deep-sea "bug." Bull. Chgo. Nat. Hist. Mus., **27** (5): p. 7 (May).

1956b. Was ist *Bulimus minimus* Philippi? Arch. Moll., **85** (1/3): p. 84 (4 June).

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1957c. Proposed use of the plenary powers to secure that the generic name "*Anodonta*" Lamarck, 1799 (Class Pelecypoda) shall be the oldest available name for the genus concerned (Proposed Valida-

tion of a ruling given in "Opinion" 94). Bull. Zool. Nomenclature, **13** (8): pp. 245–247 (August).

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1957g. Natural History of the Pearls. Commun. Instituto Tropical Investigaciones Cient., **4** (3/4): pp. 113–126, 11 text figs. (July–December).

1959a. Protection under the Plenary Powers of the generic name *Anodonta* Lamarck, 1799 (Class Pelecypoda), a name placed on the *Official List of Generic Names in Zoology* in 1926 by the Ruling given in Opinion 94. Opinions and Declarations rendered by Int. Comm. on Zool. Nomen., **20** (28): pp. 303–310, Opinion 561 (28 April).

1959b. Inland mollusks from Venezuela, Southern Brazil, and Peru. Fieldiana: Zool., **39** (31): pp. 363–371, text figs. 60–64 (22 May).

1959c. Über Schneckenmumien. Arch. Moll., **88** (4/6): pp. 159–161, 5 text figs. (21 December).

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1960b. Caribbean land molluscs: Vertiginidae. Studies on Fauna of Curaçao and other Caribbean Islands, **10** (41): pp. 1–17, pls. 1–5, 2 text figs.

1961. New land mollusks from Madagascar and Mexico. Fieldiana: Zool., **44** (3): pp. 19–23, text figs. 10–12 (15 November).

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1962c. Zur Unionidenfauna Afrikas. Arch. Moll., **91** (4/6): pp. 215–216 (30 December).

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1966. On some new non-marine mollusks from Columbia (*sic*) and Peru. Fieldiana: Zool., **44** (25): pp. 231–241, text figs. 48–57 (21 March).

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In preparation (A. Solem & F. Haas). Non-marine mollusks from Colombia.

New Taxa Described by Fritz Haas

All of the following 385 new names, 77 referring to genera and 308 to species and subspecies, apply to mollusks. The vast majority are descriptions of previously unknown species or unrecognized genera. Only nine are replacements for preoccupied names.

Two lists are provided: first, an alphabetical list of the names that includes full information as to original inclusive reference, type locality and holotype depository; second, a systematic list giving only the year of publication. This allows ready retrieval of information on a particular name and also ease in determining exactly what names Haas proposed in a systematic group.

In both lists, the name is cited as it appeared in the original publication. Current rulings of the International Commission on Zoological Nomenclature concerning the alteration of original diacritical marks have been ignored. Such rules have been changed before and will be again. The user of this list can make needed alterations according to rules in effect at that moment. Many of the journals are available only in the very largest libraries. Inclusive page and figure citations have been given for the convenience of those wishing to order photostatic copies, rather than just the normally cited first page of the description.

With few exceptions, Fritz Haas always indicated where his type specimens could be located. In the days before the Natur-Museum Senckenberg adopted a numerical catalogue, such data were not published. I'm deeply indebted to Adolf Zilch for supplying many numbers and to Eugene Binder for confirming the existence of several types in Geneva. A few types could not be located nor their probable location verified. To conserve space, the following abbreviations indicate the identity of the more frequently mentioned institutions:

AMNH—American Museum of Natural History, New York
BMNH—British Museum (Natural History), London
FMNH—Field Museum of Natural History, Chicago
SMF—Natur-Museum Senckenberg, Frankfurt

Spellings of geographic localities have been altered in a few cases and some German terms translated into English. No attempt

has been made to make locality citations reflect current political boundaries.

ALPHABETICAL LIST OF NAMES

Acanthotropis Haas, 1939. Field Mus. Nat. Hist., Zool. Ser., **24** (8): p. 95. Type species—*Vivipara partelloi* Bartsch, 1909.

achrous Haas, 1952; *Bulimulus* (*Scutalus*). Fieldiana: Zool., **34** (9): pp. 126–128, fig. 24—Tarata, Dept. Cochabamba, Bolivia at 2,800 meters elevation. Holotype FMNH 39720.

acme Haas, 1955; *Bulimulus* (*Peronaeus*). Fieldiana, Zool., **37**: pp. 325–326, fig. 68—"Altura de la Hacienda Mozobamba," Ongoy, Andahuaylas, Apurimac, Peru at 2,500 meters elevation. Holotype FMNH 51355.

acrenoica Haas, 1936; *Helicella* (*Xerocinta*) *ammonis*. Zool. Anz., **114** (11–12): pp. 297–298, figs. 1–2—Mte. Miletto, near Naples, Italy at 2,000 meters elevation. Holotype SMF 10535.

Afronaia Haas, 1963. Arch. Mollusk., **91** (4–6): pp. 215–216. Type species—*Indonaia framesi* Connolly, 1925.

Afroparreysia Haas, 1936. Abhandl. senckenb. naturf. Ges., **431**: p. 84. Type species—*Parreysia lobensis* Frierson, 1913.

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altealata Haas, 1919; *Hyriopsis*. Jahrb. Preuss. Geol. Landesanstalt, **40**, sect. 2 (1): pp. 150–151, pl. 4, fig. 3—Brachter Forest, Nordrhein, Westfalen, Germany. Holotype in Berlin.

alticola Haas, 1955; *Plecocheilus* (*Plecocheilus*) *fulminans*. Fieldiana: Zool., **34** (35): pp. 381–382, fig. 81—Torono-tepui, Chimantá-massif, on the slopes bordering Cáno Mojado, Bolivar, Venezuela, at 2,250 meters elevation. Holotype FMNH 52442.

altorum Haas, 1951; *Bulimulus* (*Scutalus*) *revinctus*. Fieldiana: Zool., **31** (46): pp. 516–517, fig. 104—Puna between Andahuaylas and Abancay, Peru at 4,000 meters elevation. Holotype FMNH 30912.

amazonicus Haas, 1949; *Potamopyrgus* (*Potamopyrgus*). Ann. Inst. Biol., Mexico, **20** (1–2): pp. 313–314, fig. 6—Rio Tapajóz at Belterra, Pará, Brazil at 6 meters depth. Holotype FMNH 29197.

amnesta Haas, 1936; *Helicella* (*Xeroplexa*). Zool. Anz., **114** (11–12): p. 301, figs. 9–11—Sierra de Cabra, Murcia, Spain. Holotype SMF 10546.

Amphicoelina Haas, 1933. Arch. Mollusk., **65** (4/5): p. 231. Type species—*Helix biconcava* Heude, 1882.

amphischnus Haas, 1933; *Zebrina* (*Styloptychus*). Senckenbergiana, **15** (5/6): p. 321, figs. 12, 12a—4 km. from Hsa pin tshan, North of Tungho, Prov. Szytschuan, South China. Holotype SMF 6463.

angigyra Haas, 1949; *Systrophia* (*Systrophia*). Fieldiana: Zool., **31** (28): pp. 246–247, fig. 58—Divisoria, Dept. Huánuco, Peru at 5,000 feet elevation. Holotype FMNH 30034.

angulifera Haas, 1955; *Solaropsis* (*Psadara*). Fieldiana: Zool., **34** (35): pp. 370–372, fig. 75—Chapare, tropical Bolivia at 400 meters elevation. Holotype FMNH 50730.

angusta Haas, 1951; *Euglandina* (*Euglandina*) *cylindrus*. Fieldiana: Zool., **31** (46): pp. 539–541, fig. 122—Jaën, Peru at 700 meters. Holotype FMNH 30911.

aperta Haas, 1955; *Littoridina*. Trans. Linn. Soc. London, ser. 3, **1** (3): p. 296, fig. 21—P. 31. G.I.C. 88012, 0.5 meters depth at Molinopampa Bay, Lago Grande, Lake Titicaca, Peru. Holotype BMNH 1956.11.5.1494.

asper Haas, 1934; *Amphidromus* (*Goniodromus*). Senckenbergiana, **16** (2/3): p. 96, figs. 11–12—Sud-Annam, 120 km. from coast on the way to Plateau Lang-Bian, Vietnam between 600–1,000 meters elevation. Holotype SMF 7762.

aulostoma Haas, 1936; *Helicella* (*Jacosta*) *syrensis*. Zool. Anz., **114** (11–12): pp. 298–299, fig. 5—Northern side Kornos Mtns., Cyprus at 660–830 meters elevation. Holotype SMF 10540.

badensis Haas, 1910; *Unio batavus*. Nachr. Bl. dtsch. malak. Ges., **42** (3), Beiträge IV: pp. 60–62—Saalbach near Phillippsburg, Baden, Wurttemberg, Germany. Holotype SMF 11006.

bakeri Haas, 1955; *Taphius montanus*. Trans. Linn. Soc. London, ser. 3, **1** (3): pp. 280–282, fig. 4—G.I.C. 135, 2–3.5 meters depth at Capachica, Lake Titicaca, Peru. Holotype BMNH 1956.11.5. 1486.

bangweolica Haas, 1936; *Caelatura* (*Caelatura*) *choziensis*. Abhandl. senckenb. naturf. Ges., **431**: pp. 56–57, pl. 5, fig. 1a–r—Lake Bangweolo, Northern Rhodesia. Holotype SMF 9576.

bangweolicum Haas, 1936; *Sphaerium hartmanni*. Abhandl. senckenb. naturf. Ges., **431**: pp. 46–47, pl. 3, fig. 3a–c—Canal near Nsombo, Lake Bangweolo, Northern Rhodesia. Holotype SMF 8787.

bangweolicus Haas, 1939; *Lanistes* (*Meladomus*) *ovum*. Abhandl. senckenb. naturf. Ges., **431**: pp. 36–37, pl. 2, fig. 1—North of Lake Bangweolo, near Nsombo, Northern Rhodesia. Holotype SMF 7435.

barkeri Haas, 1951; *Annularia*. Fieldiana: Zool., **31** (46): pp. 505–506, fig. 97—limestone cave in the Sierra Cachiri, NW of Maracaibo, Dist. of Mara, State Zulia, Venezuela. Holotype FMNH 30904.

bartschi Haas, 1941; *Cymatosyrinx*. Field Mus. Nat. Hist., Zool. Ser., **24** (17): pp. 172–173, pl. 2, figs. h, i—Argus Banks, Bermuda Islands. Holotype FMNH 13672.

Basileostylus Haas, 1935. Zool. Anz., **109** (7–8): pp. 188–189. Type species—*Placostylus bollonsi* Suter, 1908.

basitorus Haas, 1951; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **31** (46): pp. 522–523, fig. 109—Chanchamayo, Peru, at 1,000 meters elevation. Holotype FMNH 31354.

Bathybermudia Haas, 1949. Bul. Inst. Catalana Hist. Nat., **37**: pp. 70–71. Type species—*Bathybermudia carynae* Haas, 1949.

bermudensis Haas, 1949; *Malletia* (*Malletia*). Bull. Inst. Catalana Hist. Nat., **37**: pp. 72–73, fig. 6—32°0.8.2′N, 64°33′W, 1,700 fathoms deep, off Bermuda coast. Holotype FMNH 31658.

bisexigua Haas, 1951; *Elma*. Nautilus, **64** (4): p. 134. New name for *Bulimus exigenes* Morelet, 1881 not Reeve, 1850.

boetonensis Haas, 1912; *Tarebia celebensis*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 419—Lipoemangaoe, SE Boeton, Indonesia. Holotype SMF 5969.

bolivari Haas, 1916; *Mycetopoda*. Trab. Mus. Nac. Cienc. Nat., Madrid, Ser. Zool. (25): pp. 36–37, pl. II, fig. 2—Rio Unuyacu, affluent of the Napo, Ecuador. Holotype at the Nat. Mus. Nat. Sci., Madrid.

Brachypyrgulina Haas, 1955. Trans. Linn. Soc. London, 3, **1** (3): p. 301. Type species—*Brachypyrgulina carinifera* Haas, 1955.

bullaceus Haas, 1936; *Bulinus* (*Diastropha*) *contortus*. Abhandl. senckenb. naturf. Ges., **431**: p. 31, pl. 1, fig. 17—Madagascar. Holotype SMF 7918.

Bullapex Haas, 1950. Proc. Malac. Soc. London, **28** (4–5): p. 199, pl. 22, figs. 6–8. Type species—*Plecotrema cubensis* Pfeiffer, 1854.

buruana Haas, 1913; *Limnaea*. Nachr. Bl. dtsch. malak. Ges., **45** (4): p. 184—Wakolo Sea in Central-Buru, Indonesia. Holotype SMF 806A.

Calloretinella Haas, 1934. Senckenbergiana, **16** (1): p. 17. Type species—*Retinella* (*Calloretinella*) *mavromoustakisi* Haas, 1934.

carinato-globosa Haas, 1934; *Helicella* (*Jacosta*) *syrensis*. Senckenbergiana, **16** (1): pp. 18–20, figs. 1–4—Akrotiri-Wald, Cyprus. Holotype SMF 6709.

carinifera Haas, 1955; *Brachypyrgulina*. Trans. Linn. Soc. London, 3, **1** (3): pp. 301–302, fig. 27—St. G.50.G.I.C. 806, Sacune, Lake Titicaca, Peru at 5 meter depth. Holotype BMNH 1956.11.5.2.

carynae Haas, 1949; *Bathybermudia*. Bull. Inst. Catalana Hist. Nat., **37**: pp. 70–71, figs. 3–4—32°0.8.2′N, 64°33′W, 1,700 fathoms deep, off Bermuda coast. Holotype FMNH 31656.

catalonicus Haas, 1921; *Unio batavus*. Treb. Mus. Cienc. Nat. Barcelona, **3** (3): pp. 291, 363, pl. 3, figs. 19–22—Riu Siò near Balaquer, Spain. Holotype location unknown.

catenae Haas, 1952; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **34** (9): pp. 118–119, fig. 20—Hacienda Cadena, Dist. of Marcapata, Prov. Quispicanchi, Dept. Cuzco, in the valley of Rio Marcapata, Peru, at 1,000 meters elevation. Holotype FMNH 38121.

cathaicus Haas, 1930; *Unio*. Senckenbergiana, **12** (1): pp. 7–9, figs. 6–7—Hunan, Central China. Holotype SMF 3657.

cereonitens Haas, 1951; *Systrophia* (*Systrophia*) Fieldiana: Zool., **31** (46): pp. 533–534, fig. 117—south of San Ignacia and west of Rio Chinchipe, Peru, close to the border of Ecuador at 1,200 meters elevation. Holotype FMNH 30924.

Chrysopseudodon Haas, 1920. Syst. Conch. Cab. (9), **2** (2): p. 317. Type species—*Pseudodon aureus* Heude 1900.

claviformis Haas, 1951; *Bulimulus* (*Peronaeus*). Fieldiana: Zool., **31** (46): pp 515–516, fig. 103—Abancay, Peru. Holotype FMNH 31212.

Coarctatio Haas, 1945. Fieldiana: Zool., **31** (2): p. 13. Type species —*Plectopylis coarctata* Möllendorff, 1894.

coelestini Haas, 1952; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **34** (9): pp. 121–122, fig. 22—Huayumbe, Dist. Marcapata, Prov. Quispicanchi, Dept. Cuzco, Peru, at 630 meters elevation in Valley Rio Marcapata. Holotype FMNH 38125.

concavispira Haas, 1936; *Sitala*. Abhandl. senckenb. naturf. Ges., **431**: pp. 19–20, pl. 1, fig. 6—south side of Ngoro-ngoro Mountain, 1,800 meters elevation in rain-forest, German East Africa. Holotype SMF 8717.

Conchodromus Haas, 1930. Senckenbergiana, **12** (6): p. 317. New name for *Dromus* Simpson, 1900 not P. Selby, 1840.

concolor Haas, 1912; *Leptopoma celebesianum*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 418—Mengkoka, SE Celebes, Indonesia. Holotype SMF 5909.

congicum Haas, 1936; *Sphaerium hartmanni*. Abhandl. senckenb. naturf. Ges., **431**: p. 46—Moto near Aruwimi, Congo. Based on Pilsbry & Bequaert, 1927. Bull. Am. Mus. Nat. Hist., **53**: p. 349, fig. 75.

connectens Haas, 1959, *Epiphragmophora* (*Epiphragmophora*). Fieldiana: Zool., **39** (31): pp. 368–371, fig. 64—Cambache near Chongoyape, Lambayeque, Peru. Holotype FMNH 51919.

connollyi Haas, 1932, *Ledoulxia*. Senckenbergiana, **14** (3): pp. 180–182, fig. 3—Djerokko, Dana-Gebiet, South Abyssinia. Holotype SMF 5097.

consona Haas, 1951; *Heudiella phaedusoides*. Arch. Mollusk., **80**: p. 86. New name for *Ena* (*Heudiella*) *phaedusoides krejcii* Haas, 1933, not *Ena* (*Mirus*) *krejcii* Haas, 1933.

continentalis Haas, 1910; *Nodularia*. Ann. Mag. Nat. Hist. (8), **6** (35): p. 497—Hunan, Middle China. Holotype SMF 3643.

contractus Haas, 1934; *Viviparus* (*Bellamya*). Zool. Anz., **106** (10): pp. 239–240, figs. 7–8—River Mafufuya, Kiala, Upper Katanga, Congo. Holotype Mus. Hist. Nat. Geneva 1116/26.

Contradens Haas, 1913. Nachr. Bl. dtsch. malak. Ges., **45** (1): pp. 35–36. Type species—*Unio contradens* Lea, 1838.

convexior Haas, 1936; *Helicella* (*Jacosta*) *crenimargo*. Zool. Anz., **114** (11–12): p. 300, fig. 7—Konieh, Kleinasien (=Konya, Turkey). Holotype SMF 10544.

corpulenta Haas, 1932; *Neoglessula*. Senckenbergiana, **14** (3): pp. 183–184, fig. 9—Bu-saftu, South Abyssinia. Holotype SMF 5015.

Cosmopseudodon Haas, 1920. Syst. Conch. Cab. (9), **2** (2): p. 310. Type species—*Pseudodon resupinatus* von Martens, 1902.

costellifer Haas, 1936; *Odontostomus* (*Spixia*). Senckenbergiana, **18** (3–4): pp. 152–153, figs. 24–26—"Mina," Hierrazuela, Argentina. Holotype SMF 10072.

crassidens Haas, 1910; *Nodularia douglasiae*. Ann. Mag. Nat. Hist. (8), **6** (35): p. 499—Hunan, North China. Holotype SMF 3659.

crawfordi Haas, 1955; *Limnothauma*. Trans. Linn. Soc. London (3), **1** (3): pp. 302–313, fig. 28—St. G.71.G.I.C. 968/2C, Titicaca Isle, Lake Titicaca, Peru, at 1 meter depth. Holotype BMNH 1956. 11.5.1.

cypria Haas, 1933; *Helicella* (*Jacosta*) *syrensis*. Senckenbergiana, **15** (1–2): pp. 26–27, figs. 5–6—Mt. Pentadactylo, Cyprus. Holotype SMF 6835.

dautzenbergi Haas, 1936; *Aspatharia* (*Spathopsis*). Abhandl. senckenb. naturf. Ges., **431**: p. 93, pl. 8, figs. 2a, 2b—Chambezi near Mbesuma, Northern Rhodesia. Holotype SMF 9545.

demangei Haas, 1929; *Cuneopsis*. Senckenbergiana, **11** (4): pp. 211–213, figs. 1, 2—River Song Dali near Vietri, Tonkin. Holotype SMF 3435.

demmeri Haas, 1912; *Hemiplecta*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 413—Tongkok, Soembawa, Indonesia. Holotype SMF 5860.

denserugata Haas, 1910; *Nodularia*. Ann. Mag. Nat. Hist. (8), **6** (35): p. 496—Hainan, China. Holotype SMF 3630 (destroyed during war).

depressus Haas, 1936; *Bulinus* (*Bulinus*) *hemprichii*. Abhandl. senckenb. naturf. Ges., **431**: p. 28, pl. 1, fig. 15a–c—Canal near Nsombo Village near Lake Bangweolo, Northern Rhodesia. Holotype SMF 7797.

Diaopeas Haas, 1962. Studies Fauna Curaçao Caribb. Is., **13** (58): pp. 55–56. New name for *Synopeas* Jousseaume, 1889, not Forster, 1856.

dichroa Haas, 1929; *Temesa*. Senckenbergiana, **11** (1–2): pp. 10–11, figs. 4, 5—Timuxi, Bolivia, at 3,600 meters elevation. Holotype SMF 3448.

Digerus Haas, 1937. Arch. Moll., **69** (5/6): pp. 245–246. Type species—*Helix gibberula* Burrow, 1825.

Digulella Haas, 1934. Arch. Moll., **66** (6): pp. 355–356. Type species—*Pupa* (*Ennea*) *capitata* Gould, 1843.

dilatatum Haas, 1955; *Aperostoma* (*Incidostoma*). Fieldiana: Zool., **34** (35): pp. 363–364, fig. 71—Contamaná, Rio Ucayali, Peru. Holotype FMNH 47081.

Diplopseudodon Haas, 1920. Syst. Conch. Cab. (9), **2** (2): p. 313. Type species—*Pseudodon crassus* Drouët, 1892.

discoidellus Haas, 1933; *Cyclotus*. Arch. Moll., **65** (6): p. 271. New name for *Cyclotus discoideus* Haas, 1912, not Sowerby 1843.

discoideus Haas, 1912; *Cyclotus*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 417—Kabaëna Island off SE Celebes, Indonesia. Holotype SMF 5906.

disculina Haas, 1933; *Bradybaena*. Senckenbergiana, **15** (5–6): pp. 314–316, fig. 5—Yangtse-Kiang, between Sanjingpan and Hweilitschou, Prov. Szytschuan, South China. Holotype SMF 6459.

distinguenda Haas, 1936; *Helicella* (*Xerotricha*) *conspurcata*. Zool. Anz., **114** (11–12): pp. 300–301, fig. 8—near Limassol, Cyprus. Holotype SMF 10418.

duumvirorum Haas, 1951; *Dyakia*. Fieldiana: Zool., **31** (46): pp. 624–625, figs. 132–133—6 miles ESE of Kuching, Sarawak. Holotype FMNH 38102.

dybasi Haas, 1947; *Polyhyba*. Fieldiana: Zool., **31** (22): pp. 180–182, fig. 34a, b—Northeastern coast of Saipan, Marianas. Holotype FMNH 27949.

Ecpomastrum Haas, 1957. Arch. Moll., **86** (4/6): p. 137. Type species—*Ecpomastrum mirum* Haas, 1957.

effusa Haas, 1949; *Sioliella*. Ann. Inst. Biol. Mexico, **20** (1–2): pp. 309–310, figs. 1, 2—Rio Tapajóz at Belterra, Pará, Brazil. Holotype FMNH 29209.

elata Haas, 1936; *Bocageia* (*Liobocageia*). Abhandl. senckenb. naturf. Ges., **431**: pp. 13–14, pl. 1, fig. 10—south cliff of Ngoro-ngoro Mtn., 1,700 meters elevation, German East Africa. Holotype SMF 8751.

elbertae Haas, 1912; *Limnaea javanica*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 416—swamps of Sembaloen Plain, Lombok, Indonesia. Holotype SMF 5898.

elberti Haas, 1912; *Planorbis* (*Gyraulus*). Ann. Mag. Nat. Hist. (8), **10** (58): p. 417—swamps of Sembaloen Plain, Lombok, Indonesia. Holotype SMF 5896.

elberti Haas, 1912; *Prosopeas*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 416—Sadjang, Lombok, Indonesia. Holotype SMF 5903.

elberti Haas, 1912; *Septaria*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 419—Kali Spi, Flores, Indonesia. Holotype SMF 5973.

elberti Haas, 1912; *Xesta everetti*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 412—Tongkok, Soembawa, Indonesia. Holotype SMF 3373.

Elongaria Haas, 1913. Nachr. Bl. dtsch. malak. Ges., **45** (1): pp. 34–35. Type species *Unio orientalis* Lea, 1840.

eucosmetus Haas, 1955; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **37**: pp. 331–333, figs. 71–72—Cambache near Chongoyape, Lambayeque, Peru. Holotype FMNH 51920.

extensus Haas, 1955; *Bulimulus* (*Peronaeus*). Fieldiana: Zool., **37**: pp. 323–324, fig. 67—Hacienda Palmira, Andahuaylas, Apurimac, Peru. Holotype FMNH 51312.

extraneus Haas, 1955; *Bulimulus* (*Lissoacme*). Fieldiana: Zool., **34** (35): pp. 382–383, fig. 82—summit of Apacará-tepui, NW part of Chimantá-massif, State of Bolívar, Venezuela, at 2,100 meters elevation. Holotype FMNH 49736.

extraneus Haas, 1955; *Streptaxis* (*Streptartemon*). Arch. Mollusk., **84** (1–3): pp. 102–103, figs. 1–3—Serra Formosa near Mulata, Monte Alegre, Pará, Brazil. Holotype FMNH 52354.

eyerdami Haas, 1951; *Leptinaria* (*Lamellaxis*). Fieldiana: Zool., **31** (46): p. 542, fig. 124—Baños, Tunguragua, Ecuador. Holotype FMNH 30844.

fagundesi Haas, 1938; *Potamopyrgus*. Arch. Mollusk, **70** (1): p. 50, figs. 8–9—Recife, State Pernambuco, NE Brazil. Holotype SMF 24376.

festivus Haas, 1941; *Latirus*. Field Mus. Nat. Hist., Zool. Ser., **24**: pp. 167–169, pl. 1, pl. 2, figs. a, b—Mujeres Island, Yucatan, Mexico. Holotype FMNH 13754.

fonsecanus Haas, 1961; *Bulimulus* (*Rhabdotus*). Fieldiana: Zool., **44** (3): pp. 20–21, figs. 11a, b—Gulf of Fonseca, San Salvador or Nicaragua. Holotype FMNH 106702.

fragilis Haas, 1949; *Pleurodonte* (*Labyrinthus*). Arch. Moll., **78** (4/6): p. 155, pl. 7, fig. 3—forest in Belterra (Lower Rio Tapajóz), Pará, Brazil. Holotype FMNH 30399.

Fultonelma Haas, 1951. Nautilus, **64** (4): pp. 133–134. Type species—*Bulimus inconspicuus* Morelet, 1881.

fultoni Haas, 1930; *Contradens semmelincki.* Senckenbergiana, **12** (1): pp. 9–10, fig. 8—Manson, Tonkin. Holotype SMF 3735.

gentilis Haas, 1911; *Unio.* Nachr. Bl. dtsch. malak. Ges., **43** (3): pp. 151–153—Maritza near Philippopel, Bulgaria. Holotype SMF 10747.

gibber Haas, 1949; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **31** (28): pp. 238–240, figs. 50c, 51a–d—Divisória, Dept. Huanuco, Peru, at 5,000 ft. elevation. Holotype FMNH 30042.

Globotrochus Haas, 1935. Arch. Moll., **67** (1): pp. 46–47. Type species—*Helix onestera* Mabille, 1887.

gorgonensis Haas, 1966; *Drymaeus.* Fieldiana: Zool., **44** (25): pp. 233–234, fig. 49—Island of Gorgona, Dept. Cauca, west coast of Colombia 78°11′W 3°N. Holotype FMNH 114164.

gracile Haas, 1937; *Pupisoma* (*Pupisoma*). Arch. Moll., **69** (1/2): pp. 9–10, pl. 2, figs. 21–23—Bosoboso Mtns., Laguna Bay, Luzon, Philippines. Holotype SMF 10766.

gracile Haas, 1955; *Strombopoma.* Trans. Linn. Soc. London (3), **1** (3): p. 298, fig. 23—G 115.G.I.C.1194/9, 2–3 meters depth, Lagunilla Lagunilla, Titicaca Basin, Peru. Holotype BMNH 1956. 11.5.307.

gracilis Haas, 1937; *Boysidia* (*Boysidia*). Arch. Mollusk., **69** (1–2): pp. 7–8, pl. 2, figs. 18–20—Badung, Hubei (=Hupé), China. Holotype SMF 10764.

gracilis Haas, 1910; *Hyriopsis.* Nachr. Bl. dtsch. malak. Ges., **42** (3): pp. 101–102—Bienho-Sei, Mikong, Indochina. Holotype SMF 3577 (destroyed during war).

gracillima Haas, 1936; *Rachis.* Abhandl. Senckenb. naturf. Ges., **431**: p. 21, pl. 1, fig. 7—Buiko on the South side of Pare Mtns., German East Africa. Holotype SMF 8725.

grande Haas, 1937; *Hypselostoma luzonicum.* Arch. Moll., **69** (1/2): pp. 6–7, pl. 2, figs. 13–15—Atimonan, east coast Tayabas, Philippines. Holotype SMF 10771.

graueri Haas, 1927; *Caelatura.* Senckenbergiana, **9** (1). pp. 21–23, pl. 1, figs. 2–4—Ukaika forest, NW of Lake Albert-Edward, Inner Africa. Holotype SMF 3281.

griffini Haas, 1955; *Drymaeus* (*Drymaeus*). Fieldiana. Zool., **34** (35): pp. 383–384, fig. 83—western side of Abacapa-tepui, drainage of Abacapa River, Chimantá massif, in the State of Bolívar, Venezuela, at 1,300 meters altitude. Holotype FMNH 49734.

gründleri Haas, 1912; *Trochomorpha* (*Videna*). Ann. Mag. Nat. Hist. (8), **10** (58): p. 415—Swela, island of Lombok, Indonesia. Holotype SMF 5894.

guayanensis Haas, 1929; *Diplodon*. Senckenbergiana, **11** (1/2): p. 12, figs. 6, 7—NW British Guiana. Holotype SMF 3439.

gyrellina Haas, 1951; *Systrophia* (*Systrophiella*). Fieldiana: Zool., **31** (46): pp. 534–535, fig. 118—Valley of Mantaro River, Huancamayo, Peru. Holotype FMNH 30532.

haenkei Haas, 1955; *Bulimulus* (*Scutalus*). Fieldiana: Zool., **34** (35): pp. 372–373, fig. 76—Alto Plano, Bolivia, at 3,000 meters elevation. Holotype FMNH 50732.

hageni Haas, 1912, *Nanina butonensis*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 414—Baoe-baoe, Boeton, Indonesia. Holotype SMF 5856.

hassiae Haas, 1908; *Unio*. Nachr. Bl. dtsch. malak. Ges., **40** (4): p. 175—Old Rhine near Hessen, Germany. Holotype SMF 15713.

hasta Haas, 1912; *Prosopeas*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 416—Swela, Lombok, Indonesia. Holotype SMF 5902.

heimburgi Haas, 1911; *Unio crassus*. Verh. naturh. Ver. preuss. Rheinlands und Westfalens, **68**: p. 527, pl. 5, fig. 20—Eder River near Hatzfeld, Germany. Holotype SMF 4389.

Heligmopoma Haas, 1955. Trans. Linn. Soc. London (3), **1** (3): pp. 300–301. Type species—*Heligmopoma umbilicatum* Haas, 1955.

hemiomphalos Haas, 1951; *Epiphragmophora* (*Epiphragmophora*). Fieldiana: Zool., **31** (46): pp. 526–527, fig. 112—"Peru." Holotype FMNH 30902.

hermanni Haas, 1929; *Elliptio* (*Nephronaias*). Senckenbergiana, **11** (5/6): pp. 323–324, figs. 12–13—Arroyo Limon, Tabasco, Mexico. Holotype SMF 3488.

hertleini Haas, 1961; *Polygyra* (*Erymodon*). Fieldiana: Zool., **44** (3): pp. 21–23, fig. 12a-c—Tenecatila Bay, Jalisco, Mexico (about 1½ to 2 miles up trail). Holotype FMNH 106703.

hexameri Haas, 1911; *Unio batavus*. Verh. naturh. Ver. preuss. Rheinlande und Westfalens, **68**: p. 526, pl. 4, fig. 2—Modau near

Grossbiberau, Odenwald, Hessen, Germany. Holotype SMF 11001.

hidalgoi Haas, 1916; *Diplodon*. Treb. Mus. Nac. Cienc. Nat. Madrid, ser. Zool. (25): pp. 18–21, pl. 1, fig. 1—Miquelete River, Uruguay. Holotype Nat. Mus. Nat. Sci., Madrid.

hirasei Haas, 1911; *Nodularia*. Nachr. Bl. dtsch. malak. Ges., **43** (1): pp. 45–46—Yamashiro, Japan. Holotype SMF 3639.

hova Haas, 1961; *Malarinia*. Fieldiana: Zool., **44** (3): pp. 19–20, fig. 10—Chutes de la Mort, Madagascar. Holotype FMNH 106701.

hummelincki Haas, 1960; *Gastrocopta* (*Immersidens*). Studies on the Fauna of Curaçao and other Caribbean Islands, **10** (41): p. 14, fig. 2, pl. 5 J–N. Holotype FMNH 65270.

hunanensis Haas, 1910; *Parreyssia*. Nachr. Bl. dtsch. malak. Ges., **42** (3): pp. 97–98—Hunan, Middle China. Holotype SMF 3595.

Hydracme Haas, 1938. Arch. Mollusk., **70** (1): pp. 46–48. Type species—*Hydracme rudolphi* Haas, 1938.

hyperlepta Haas, 1952; *Ithycythara*. Fieldiana: Zool., **34** (20): pp. 207–208, fig. 42—Ilha Grande, Rio de Janeiro, Brazil. Holotype FMNH 43963.

impressa Haas, 1951; *Systrophia* (*Systrophia*). Fieldiana: Zool., **31** (46): pp. 531–533, fig. 116—"South America." Holotype FMNH 30528.

inangulata Haas, 1910; *Cristaria*. Ann. Mag. Nat. Hist. (8), **6** (35): p. 499—Tonkin. Holotype SMF 3665.

inconspicua Haas, 1938; *Littoridina*. Arch. Moll., **70** (1): p. 51, fig. 10—Lagõa do Norte, State Alagõas, NE Brazil. Holotype SMF 24381.

inconspicuus Haas, 1949; *Bulimulus* (*Bulimulus*). Fieldiana: Zool., **31** (28): pp. 236–237, fig. 50a—Contamana on Ucayali River, Dept. Loreto, Peru. Holotype FMNH 30038.

indecisum Haas, 1952; *Aperostoma* (*Aperostoma*). Fieldiana: Zool., **34** (9): pp. 114–115, fig. 17—Contamano, Ucayali River, Peru, at 200 meters elevation. Holotype FMNH 38376.

inornata Haas, 1951; *Solaropsis* (*Psadara*). Fieldiana: Zool., **31** (46): pp. 527–528, fig. 113—Rio Chusgon, affluent of the Marañon River, at Hacienda Santa Elena, Peru, 1,600–2,150 meters elevation. Holotype FMNH 30929.

insularis Haas, 1950; *Pedipes*. Proc. Malac. Soc. London, **28** (4–5): pp. 197–199, pl. 22, fig. 3—"Lovers Lake," extreme west end of St. George's Island, Bermuda. Holotype FMNH 30171.

Inversidens Haas, 1911. Syst. Conch. Cab. (9), **2** (2): p. 102. Type species *Nodularia parcedentata* Haas, 1911.

iridescens Haas, 1912; *Everettia*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 414—Swela, island of Lombok, Indonesia. Holotype SMF 5887.

Josephinella Haas, 1936. Arch. Moll., **68** (3): pp. 130–131. Type species—*Helix hemonica* Thiesse, 1884.

juliani Haas, 1955; *Plecocheilus* (*Eurytus*). Fieldiana: Zool., **34** (35): pp. 375–377, fig. 78—summit of Apacará-tepui, NW part of Chimantá-massif, Bolívar, Venezuela. Holotype FMNH 49737.

kabaënae Haas, 1912; *Clausilia* (*Pseudonenia*) *simillima*. Ann. Mag. Nat. Hist. (8), **10** (58): pp. 415–416—Kobaëna Island, off SE Celebes, Indonesia. Holotype SMF 5904.

kalinowskii Haas, 1955; *Nenia* (?) *angrandi*. Fieldiana: Zool., **37**: pp. 306–307, fig. 58—Polanco, Tambo, San Miguel, Ayacucho, Peru, at 4,100 meters elevation. Holotype FMNH 51363.

Kalliphenga Haas, 1936. Abhandl. senckenb. naturf. Ges., **431**: pp. 72–73. Type species—*Caelatura ruellani* Bourguignat, 1883.

Karlschmidtia Haas, 1955. Fieldiana: Zool., **37**: pp. 327–328. Type species—*Karlschmidtia lentiformis* Haas, 1955.

katangae Haas, 1934; *Biomphalaria ruppellii*. Zool. Anz., **107** (7–8): pp. 223–224, fig. 3—Tributary of Mura River near Panda, east of Mt. Karajipopo, Upper Katanga, Congo. Holotype—Mus. Hist. Nat., Geneva, Switzerland 1116/34.

kinkelini Haas, 1908; *Unio*. Nachr. Bl. dtsch. malak. Ges., **40** (4): pp. 177–178—Rhine, near Mosbach, Biebrich, Hessen, Germany. Holotype SMF XV 1267a.

Kionoptyx Haas, 1966. Fieldiana: Zool., **44** (25): pp. 239–241, fig. 57a, b. Type species—*Kionoptyx sagasteguii* Haas, 1966.

Kistinaia Haas, 1936. Abhandl. senckenb. naturf. Ges., **431**: p. 64. Type species—*Caelatura* (*Kistinaia*) *schoutedeni* Haas, 1936.

kobeltianus Haas, 1913; *Unio batavus*. Nachr. Bl. dtsch. malak. Ges., **45** (3): pp. 105–106—Roten Main near Emtmannsberg, Bavaria. Holotype SMF 10998.

kohl-larseni Haas, 1936; *Diaphera* (*Huttonella*). Abhandl. senckenb. naturf. Ges., **431**: p. 18, pl. 1, fig. 6—south side of Ngoro-ngoro Mt., German East Africa at 1,800 meters elevation. Holotype SMF 8673.

krejcii Haas, 1933; *Ena* (*Mirus*). Senckenbergiana, **15** (5/6): p. 319, figs. 7, 7a, west of Lu-Ho (=Ta-Tu-Ho) between Tapienpu and Jaszkon, Prov. Szytschuan, South China. Holotype SMF 6465.

krejcii Haas, 1933; *Ena* (*Heudiella*?) *phaedusoides*. Senckenbergiana, **15** (5/6): pp. 320–321, fig. 11 (=*Heudiella phaedusoideus consona* Haas, 1951, *in* Arch. Moll., **80**: p. 86)—4 km. from Hsa pin tshan, North of Tungho, Prov. Szytschuan, South China. Holotype SMF 6461.

krejcii Haas, 1933; *Xestina chrysoraphe*. Senckenbergiana, **15** (5/6): p. 319, fig. 8—west of Lu-Ho (Ta-Tu-Ho) between Tapienpu and Jaszkou, Prov. Szytschuan, South China. Holotype SMF 6458.

küsteri Haas, 1913; *Pseudanodonta compacta*. Nachr. Bl. dtsch. malak. Ges., **45** (3): p. 108—Wornitz near Dinkelsbuhl, Bavaria, Germany. Holotype SMF 10619.

lacustris Haas, 1955; *Littoridina*. Trans. Linn. Soc. London (3), **1** (3): p. 287, fig. 10—P.15, G.I.C. 832/2b, 2 meters, Paton, Lake Titicaca, Peru. Holotype BMNH 1956.11.5.816.

laevis Haas, 1910; *Ptychorhynchus*. Ann. Mag. Nat. Hist. (8), **6** (35): p. 498—Saghalin Island, USSR. Holotype SMF 3626.

lagunarum Haas, 1955; *Anisancylus*. Trans. Linn. Soc. London (3), **1** (3): pp. 283–284, fig. 7—G 26 G.I.C. 1220/6, 0.8 meters depth, Lagunilla Saraconcha, Lagunilla River, Titicaca Basin, Peru. Holotype BMNH 1956.11.5.1265.

languiensis Haas, 1955; *Littoridina*. Trans. Linn. Soc. London (3), **1** (3): pp. 287–288, fig. 11—G.I.C. 1082/1b, 0.8 meters depth, Lake Langui (Titicaca Basin), Peru. Holotype BMNH 1956.11. 5.659.

lasalleanus Haas, 1959; *Dryptus*. Fieldiana: Zool., **39** (31): pp. 363–364, fig. 60—Mucurubá, State of Mérida, Venezuela. Holotype—Museum of the Sociedad de Ciencias Nats. LaSalle, Caracas, Venezuela.

late-aperta Haas, 1936, *Halolimnohelix*. Abhandl. senckenb. naturf. Ges., **431**: pp. 10–11, pl. 1, fig. 1—Ngoro-ngoro Mt., German East Africa at 1,800 meters elevation. Holotype SMF 8175.

latitesta Haas, 1952, *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **34** (9): pp. 117–118, fig. 19—Hacienda Cadena, Dist. Marcapata, Prov. Quispicanchi, Dept. Cuzco, Peru in Rio Marcapata valley at 1,000 meters elevation. Holotype FMNH 38120.

latus Haas, 1949; *Potamopyrgus* (*Aroa*). Ann. Inst. Biol. Mexico, **20** (1–2): pp. 312–313, fig. 5—Tapajóz River at Santarem, Mapire Bay, Pará, Brazil. Holotype FMNH 29202.

lauterborni Haas, 1936; *Lartetia sterkiana*. Senckenbergiana, **18** (3/4): pp. 146–147, figs. 10–11—Brunnenstuben near Eichstetten near Kaiserstuhl, Germany. Holotype SMF 10079.

lauterborni Haas, 1909; *Unio*. Nachr. Bl. dtsch. malak. Ges., **41** (2) Beitrage III: pp. 46–48—Old Rhine near Neuhofen, Ludwigshafen, Germany. Holotype SMF 10879.

Leiovirgus Haas, 1911. Syst. Conch. Cab. (9), **2** (2): p. 132. Type species—*Unio misoolensis* Schepman, 1896.

lentiformis Haas, 1955; *Karlschmidtia*. Fieldiana: Zool., **37**: pp. 328–329, fig. 69—Hacienda Mozobamba, Andahuaylas, Apurimac, Peru. Holotype FMNH 51271.

leoni Haas, 1935; *Placostylus* (*Placostylus*). Zool. Anz., **109** (7/8): pp. 189–190, fig. 5—Pointe d'Artillerie near Noumeá, New Caledonia. Holotype SMF 9358.

leucobasis Haas, 1951; *Epiphragmophora* (*Epiphragmophora*). Fieldiana: Zool., **31** (46): pp. 524–526, fig. 11—Chincheros, near Río Pampas, Peru, at 3,000 meters elevation. Holotype FMNH 30923.

limicolarioides Haas, 1936; *Drymaeus* (*Drymaeus*). Senckenbergiana, **18** (3/4): p. 150, figs. 12, 13—São Paulo, Brazil. Holotype SMF 10077.

Limnothauma Haas, 1955. Trans. Linn. Soc. London (3), **1** (3): p. 302. Type species—*Limnothauma crawfordi* Haas, 1955.

Lindholmomneme Haas, 1936. Senckenbergiana, **18** (3/4): p. 144. Type species—*Helix* (*Trichia*) *rhysota* var. *altaica* Westerlund, 1896.

liratinus Haas, 1934; *Bulinus* (*Physastra*) *confertus*. Arch. Moll., **66** (3): p. 150. New name for *Physa lirata* Tennison-Woods, 1879 not Mousson, 1874.

lombocensis Haas, 1912; *Vivipara javanica*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 418—Bajan, Lombok, Indonesia. Holotype SMF 5977.

longinqua Haas, 1949; *Alabina*. Bull. Inst. Catalana Hist. Nat., **37**: pp. 71–72, fig. 5—32°0.8.2′N, 64°33′W, off Bermuda coast at 1,700 fathoms. Holotype FMNH 31660.

longitudinalis Haas, 1955; *Bulimulus* (*Scutalus*). Fieldiana: Zool., **37**: pp. 316–317, fig. 63—Polanco, Tambo, San Miguel, Ayacucho, Peru. Holotype FMNH 51328.

losadae Haas, 1966; *Diplodon* (*Diplodon*). Fieldiana: Zool., **44** (25): p. 238, figs. 54–56—Caño Losada, upper Rio Guayabero, Orinoco system, Dept. Meta, Colombia (ca. 74°9′W, 2°9′N). Holotype FMNH 114042.

lubanicum Haas, 1937; *Hypselostoma luzonicum*. Arch. Moll., **69** (1/2): p. 7, pl. 2, figs. 16–17—Luban Island near Mindoro, Philippines. Holotype SMF 10773.

Lubricetta Haas, 1928. Senckenbergiana, **10** (3/4): p. 94. Type species—*Bocageia rollei* Haas, 1928.

lymnaeiformis Haas, 1936; *Cerastus* (*Cerastus*). Abhandl. senckenb. naturf. Ges., **431**: pp. 21–22, pl. 1, figs. 8a, b.—Ngoro-ngoro Mt., German East Africa, south slope at 1,899 meters elevation in rain forest. Holotype SMF 8809.

magnum Haas, 1955; *Rhamphopoma*. Trans. Linn. Soc. London (3), **1** (3): p. 299, fig. 24—P.8, G.I.C. 499, 3.5–4.5 meters depth, Choccocoya, Lago Grande, Lake Titicaca, Peru. Holotype BMNH 1956.11.5.167.

Malarinia Haas, 1961. Fieldiana: Zool., **44** (3): p. 19. Type species —*Malarinia hova* Haas, 1961.

malkini Haas, 1962; *Epiphragmophora* (*Epiphragmophora*). Fieldiana: Zool., **44** (10): pp. 67–68, fig. 19—San Francisco near Tarenda, Prov. Santa Cruz, Bolivia. Holotype FMNH 112122.

Maoristylus Haas, 1935. Zool. Anz., **109** (7/8): p. 188. Type species —*Bulimus hongii* Lesson, 1830.

Margaritanopsis Haas, 1913. Nachr. Bl. dtsch. malak. Ges., **45** (1): p. 33. Type species—*Unio laosensis* Lea, 1863.

maritzana Haas, 1913; *Vivipara*. Nachr. Bl. dtsch. malak. Ges., **45** (2): pp. 71–72—Maritza near Philippopel, Bulgaria. Holotype SMF 47972.

Marshalliella Haas, 1931. Senckenbergiana, **13** (1): pp. 50–51. Type species—*Plagiodon balzani* von Ihering, 1893.

mavromoustakisi Haas, 1933; *Helicella* (*Xeropicta*) *protea*. Senckenbergiana, **15** (1/2): p. 26, figs. 1–2—Limassol, Cyprus. Holotype SMF 6271.

mavromoustakisi Haas, 1934; *Retinella* (*Calloretinella*). Senckenbergiana, **16** (1): pp. 16–17, fig. 8—Paramali, Cyprus. Holotype SMF 6708.

maximella Haas, 1936; *Helicella* (*Jacosta*). Zool. Anz., **114** (11/12): p. 298, figs. 3–4—near Castelvetrano, Sicily. Holotype SMF 10538.

mermodi Haas, 1934; *Afropunctum*. Zool. Anz., **107** (7/8): pp. 221–222, figs. 1, 1a, 1b—Luluabourg, Congo. Holotype—Mus. d'Hist. Nat., Geneve, Switzerland 1116/34.

Mesafra Haas, 1936. Abhandl. senckenb. naturf. Ges., **431**: p. 83. Type species—*Caelatura mesafricana* Pilsbry & Bequaert, 1927.

micra Haas, 1952; *Natica* (*Tectonatica*). Fieldiana: Zool., **34** (20): pp. 206–207, fig. 41—Ilha Grande, Rio de Janeiro, Brazil. Holotype FMNH 43961.

microbembix Haas, 1935; *Ganesella*. Zool. Anz., **109** (7/8): p. 191, fig. 6—Chang-yang, Prov. Szetschuan, China. Holotype SMF 9340.

microglypta Haas, 1943; *Alvania* (*Willexia*). Field Mus. Nat. Hist., Zool. Ser., **29** (1): pp. 2–4, fig. 1a, b, c—Point Pinos, Monterey Peninsula, California. Holotype FMNH 17028.

microhelix Haas, 1951; *Radiodiscus* (*Radioconus*). Fieldiana: Zool., **31** (46): pp. 538–539, fig. 121—Chanchamayo Valley, Peru, at 800 meters elevation. Holotype FMNH 30921.

minuta Haas, 1951; *Chilina*. Fieldiana: Zool., **31** (46): pp. 542–543, fig. 125—Baños Morales near Santiago, Chile. Holotype FMNH 30941.

mirum Haas, 1957; *Ecpomastrum*. Arch. Moll., **86** (4–6): pp. 137–138, figs. 1–2—Bucht von Puno, Lake Titicaca, Peru, at 25 meters depth. Holotype SMF 125300.

moellendorffi Haas, 1934; *Amphidromus* (*Amphidromus*). Senckenbergiana, **16** (2/3): p. 96, fig. 13—Hinlap, Siam. Holotype SMF 7688. New name for *Amphidromus kobelti* Moellendorff, 1902, not Rolle, 1893.

moellendorffi Haas, 1910; *Pressidens*. Nachr. Bl. dtsch. malak. Ges., **42** (3): p. 103—Palawan, Philippine Islands. Holotype SMF 3600.

monardi Haas, 1935; *Pseudoglessula* (*Ischnoglessula*). Zool. Anz., **109** (7/8): pp. 191–192, fig. 7—Elende, Central Angola. Holotype—Mus. in La Chaux-de-Fonds, Switzerland.

monardi Haas, 1934; *Viviparus* (*Bellamya*). Zool. Anz., **106** (10): pp. 237–239, figs. 1–6—Kilui, River Kunene, South Angola. Holotype—Mus. Hist. Nat., Geneva, Switzerland 1116/28.

moncieuxi Haas, 1934; *Tayloria* (*Tayloria*). Zool. Anz., **107** (7–8): pp. 222–223, fig. 2—River Mbura near Panda, upper Katanga, Congo. Holotype—Mus. Hist. Nat., Geneva, Switzerland 1116/31.

montis-avium Haas, 1914; *Bythinella compressa*. Nachr. Bl. dtsch. malak. Ges., **46** (1): pp. 38–39—spring at Hoherodskopf in the Vogelsberg, Hessen, Germany. Holotype SMF 4083.

mordens Haas, 1952; *Bulimulus* (*Peronaeus*). Fieldiana: Zool., **34** (9): pp. 128–129, fig. 25—Yungas del Palmar, 1,000 meters elevation, Andean Region, Bolivia. Holotype FMNH 39413.

multigradata Haas, 1936; *Helicella* (*Jacosta*). Zool. Anz., **114** (11/12): pp. 299–300, fig. 6—Eski Schehir, NW Kleinasien. Holotype SMF 10542.

munda Haas, 1951; *Helicina* (*Helicina*). Fieldiana: Zool., **31** (46): pp. 543–544, fig. 126—Ayancocha, near Huanuco, Peru, at 2,200 meters elevation. Holotype FMNH 30937.

mundi-perditi Haas, 1955; *Plecocheilus* (*Eurytus*). Fieldiana: Zool., **34** (35): pp. 378–380, fig. 80—Chimantá-massif near Rio Tirica, Bolívar, Venezuela, at 2,100 meters elevation. Holotype FMNH 52436.

Mweruëlla Haas, 1936. Abhandl. senckenb. naturf. Ges., **431**: p. 63. Type species—*Unio mweruensis* E. A. Smith, 1908.

nana Haas, 1950; *Auriculastra*. Proc. Malac. Soc. London, **28** (4–5) p. 197, pl. 22, figs. 1–2—"Lovers Lake," extreme west of St. George's Island, Bermuda. Holotype FMNH 30169.

nana Haas, 1912; *Limnaea javanica*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 416—rapids of Kali Poetih R., Lombok, Indonesia. Holotype SMF 5900.

nanus Haas, 1951; *Obeliscus* (*Protobeliscus*). Fieldiana: Zool., **31** (46): pp. 541–542, fig. 123—Chanchamayo Valley, Peru, at 800 meters elevation. Holotype FMNH 30931.

Nesiberus Haas, 1934. Arch. Moll., **66** (6): pp. 354–355. Type species—*Helix pythiusensis* Bofill & Aguilar-Amat, 1924.

Nesonaia Haas, 1913. Syst. Conch. Cab. (9), **2** (2): p. 137. Type species—*Ctenodesma guppyi* Smith, 1885.

nicarica Haas, 1908; *Anodonta* (*Pseudanodonta*). Nachr. Bl. dtsch. malak. Ges., **40** (4): p. 174—Neckar near Heidelberg, Baden-Wurttemberg, Germany. Holotype SMF 10627.

nordestinus Haas, 1938; *Diplodon* (*Diplodon*) *besckeanus*. Arch. Moll., **70** (1): p. 46, figs. 1–3—Rio São Francisco near Jatobá, NE Brazil. Holotype SMF 24362.

nudatus Haas, 1912; *Melanoides tuberculatus*. Ann. Mag. Nat. Hist. (8) **10** (58): p. 420—Segare Anak, Lombok, Indonesia. Holotype SMF 5965 (destroyed during war).

Nyassunio Haas, 1936. Abhandl. senckenb. naturf. Ges., **431**: p. 85. Type species—*Unio nyassaensis* Lea, 1864.

Obbiberus Haas, 1935. Arch. Moll., **67** (1): p. 45. Type species—*Obba bulacanensis* Hidalgo, 1890.

obeliscus Haas, 1936; *Bulimulus* (*Rhinus*). Senckenbergiana, **18** (3–4): pp. 150–151, figs. 15–16—Santa Catharina, Brazil. Holotype SMF 10078.

obesa Haas, 1949; *Nenia* (*Columbinia*). Fieldiana: Zool., **31** (28): pp. 241–243, figs. 53, 54—Cerro Azul on Rio Ucayali, Dept. Loreto, Peru. Holotype FMNH 30025.

obliquior Haas, 1936; *Gonaxis* (*Gonaxis*) *ordinarius*. Abhandl. senckenb. naturf. Ges., **431**: p. 15, pl. 1, fig. 5—mountain 1,400 meters elevation, west of Bumbuli, Usambara, German East Africa. Holotype SMF 8675.

Obstructio Haas, 1939. Field Mus. Nat. Hist., Zool. Ser., **24** (8): pp. 99–100. Type species—*Planorbis janeirensis* Clessin, 1886.

obvoluta Haas, 1949; *Systrophia* (*Systrophia*). Fieldiana: Zool., **31** (28): pp. 244–245, fig. 56—Contamana on Rio Ucayali, Dept. Loreto, Peru. Holotype FMNH 30030.

ornata Haas, 1938; *Physa* (*Plesiophysa*). Arch. Moll., **70** (1): pp. 48–49, figs. 5–6—Açude Ligeiro, Serra Branca, Municipio São João do Cariry, State Parahyba, NE Brazil. Holotype SMF 24367.

ornatissima Haas, 1943; *Chrysallida* (*Chrysallida*). Field Mus. Nat. Hist., Zool. Ser., **29** (1): pp. 4–7, fig. 2a, b, c —Point Pinos, Monterey Peninsula, California. Holotype FMNH 17029.

ortizianus Haas, 1955; *Plecocheilus* (*Eurytus*). Fieldiana: Zool., **34** (35): pp. 366–367, fig. 73—near Chancay, between La Colmena and La Esperanza, Peru, at 1,200–1,900 meters elevation. Holotype FMNH 47083.

ovata Haas, 1910; *Microdontia*. Nachr. Bl. dtsch. malak. Ges., **42** (3): pp. 100–101—Fly River, near Konstantinhafen, New Guinea. Holotype SMF 3537.

Oxynaia Haas, 1913. Nachr. Bl. dtsch. malak. Ges., **45** (1): p. 34. Type species—*Unio jourdyi* Morlet, 1886.

palatinus Haas, 1911; *Unio batavus*. Verh. naturh. Ver. preuss. Rheinlande und Westfalens, **68**: pp. 525–526, pl. 4, fig. 3—Queich, Rheinland, Pfalz, Germany. Holotype SMF 11003.

parcedentata Haas, 1911; *Nodularia*. Nachr. Bl. dtsch. malak. Ges., **43** (1): pp. 43–44—Nikawa, Japan. Holotype SMF 3646.

parvula Haas, 1908; *Margaritana margaritifera*. Nachr. Bl. dtsch. malak. Ges., **40** (4) Beiträge I: pp. 15–16—Ulfenback, near Affolterbach, Ovenwald, Germany. Holotype SMF 4982.

parvum Haas, 1955; *Rhamphopoma*. Trans. Linn. Soc., London (3), **1** (3): p. 300, fig. 25—P 26, G.I.C. 871/6, 5.4–7.3 meters depth, Molinopampa, Lake Titicaca, Peru. Holotype BMNH 1956.11. 5.160.

peculiaris Haas, 1934; *Planispira* (*Pseudopapuina*). Zool. Anz., **108** (7/8): p. 202—Sjerak Island, Tenimber Islands. Holotype SMF 8676.

perforatus Haas, 1951; *Bulimulus* (*Ataxus*). Fieldiana: Zool., **31** (46): pp. 518–519, fig. 106—Ninabamba on the Pampas River, affluent of the Apurimac River, Peru. Holotype FMNH 30906.

pergracilis Haas, 1952; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **34** (9): pp. 122–123, fig. 23—Hacienda Cadena, Dist. Marcapata, Prov. Quispicanchi, Dept. Cuzco, Peru, at 1,000 meters elevation in the valley of Rio Marcapata. Holotype FMNH 38127.

perplexum Haas, 1938; *Sairostoma*. Arch. Moll., **70** (4): pp. 207–208, figs. 1–2—Surra Uruburetama between Fortaleza and Sobral, near São Francisco, State Ceará, Brazil at 500 meters elevation. Holotype SMF 35000.

persculpta Haas, 1910; *Nodularia*. Nachr. Bl. dtsch. malak. Ges., **42** (3): pp. 98–99—Hunan, Middle China. Holotype SMF 3632 (destroyed during war).

persuturata Bofill, Haas, and Aguilar-Amat, 1921; *Bythinella brevis*. Treb. Mus. Cienc. Nat. Barcelona, **3** (5): pp. 1020, 1213, pl. 2, figs. 27–30—Sante Fe, Mt. Montseny, Pyrenees, Spain. Holotype—Mus. de Catalunya.

peruviana Haas, 1951; *Solaropsis* (*Psadara*). Fieldiana: Zool., **31** (46): pp. 528–530, fig. 114—Sahuayaco, Urubamba Valley, Peru, at 800 meters elevation. Holotype FMNH 30928.

pervarians Haas, 1936; *Odontostomus* (*Spixia*). Senckenbergiana, **18** (3/4): pp. 151–152, figs. 17–23—Sierra de Achala near Candelaria, Prov. Salta, Argentina. Holotype SMF 10074.

phacodes Haas, 1935; *Tricheulota*. Zool. Anz., **109** (7/8): p. 194, fig. 11—unknown, possibly Philippine Islands. Holotype SMF 9342.

phaeocheilus Haas, 1955; *Bulimulus* (*Scutalus*). Fieldiana: Zool., **37**: pp. 334–335, fig. 74—Chongoyape, Lambayeque, Peru, at 300 meters elevation. Holotype FMNH 51918.

picardi Haas, 1933; *Helicella* (*Jacosta*) *ledereri*. Senckenbergiana, **15** (1/2): pp. 28–30, figs. 9–10—Kustenebene, 8 km. N of Tel-Aviv, near Jatfa, Palestine. Holotype SMF 6830.

pilsbryi Haas, 1934; *Epiphramophora* (*Epiphragmophora*) Senckenbergiana, **16** (2/3): p. 95, figs. 6–10—Colombia, South America. Holotype SMF 7752.

pitmani Haas, 1934; *Viviparus unicolor*. Zool. Anz., **108** (7/8): p. 205, fig. 6—Kafue R. Zambesi-Gebiet in Mumbwa Dist., N. Rhodesia. Holotype SMF 8963.

planior Haas, 1951; *Happia* (*Happia*) *cuzcana*. Fieldiana: Zool., **31** (46): pp. 537–538, fig. 120—Oreja de Capedo, Chanchamayo, Peru, at 1,600 meters elevation. Holotype FMNH 30933.

planorbina Haas, 1912; *Chloritis*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 415—Roembia, southeast Celebes, Indonesia. Holotype SMF 5891.

platycheilus Haas, 1955; *Neopetraeus*. Fieldiana: Zool., **37**: pp. 311–313, figs. 60, 61—Hacienda Palmira, Andahuaylas, Apurimac, Peru. Holotype FMNH 51315.

platysma Haas, 1951; *Systrophia* (*Systrophia*). Fieldiana: Zool., **31** (46): pp. 530–531, fig. 115—Huarango, east side of Rio Chinchipe, close to Rio Marañon, Peru, at 1,400 meters elevation. Holotype FMNH 30926.

platytrochus Haas, 1935; *Aegista* (*Plectotropis*). Zool. Anz., **109** (7/8): pp. 192–194, figs. 9–10—Chang-yang, Prov. Szetschuan, China. Holotype SMF 9316.

Pleurovalvata Haas, 1939. Field Museum Nat. Hist., Zool. Ser., **24** (8): p. 101. Type species—*Valvata sincera* Say, 1824.

Polyhyba Haas, 1947. Fieldiana: Zool., **31** (22): pp. 180–182. Type species—*Polyhyba dybasi* Haas, 1947.

posthumus Haas, 1934; *Iberus* (*Iberus*) *gualtierianus*. Senckenbergiana, **16** (2/3): p. 98, figs. 14–16—Mountains near Mazarron, Prov. Murcia, Spain. Holotype SMF 7887.

prashadi Haas, 1922; *Trapezoideus*. Senckenbergiana, **4** (3/4): pp. 101–102—Mysore, southeast India. Holotype SMF 3614.

Pressidens Haas, 1910. Nachr. Bl. dtsch. malak. Ges., **42** (3): pp. 102–103. Type species—*Pressidens moellendorffi* Haas, 1910.

probavaricus Haas, 1911; *Unio batavas*. Verh. naturh. Ver. preuss. Rheinlande und Westfalens, **68**: p. 526, pl. 4, fig. 9—Gersprenz near Ohlenbach, Odenwald, Hessen, Germany. Holotype SMF 11005.

profunda Haas, 1955; *Littoridina*. Trans. Linn. Soc. London (3), **1** (3): p. 289, fig. 13—MS/266, 66 meters, Taman Bay, Lake Titicaca, Peru. Holotype BMNH 1956.11.5.654.

profundicola Haas, 1949; *Coralliophila*. Bull. Inst. Catalana Hist. Nat., **37**: pp. 69–70, figs. 1–2—32°0.8.2′N, 64°33′W, 1,700 fathoms deep, off Bermuda coast. Holotype FMNH 31655.

Prohyriopsis Haas, 1914. Nachr. Bl. dtsch. malak. Ges., **46** (2): pp. 76–78. Type species—*Unio stolatus* von Martens, 1900.

Protunio Haas, 1913. Nachr. Bl. dtsch. malak. Ges., **45** (1): p. 37. Type species—*Unio messageri* Bavay and Dautzenberg, 1901.

pseudelatus Haas, 1951; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **31** (46): pp. 520–522, fig. 108—Anco on the Mantaro River, Peru, at 2,500 meters elevation. Holotype FMNH 30908.

pseudocrassus Haas, 1909; *Unio*. Nachr. Bl. dtsch. malak. Ges., **41** (1), Beiträge II: pp. 29–32—Old Rhine near Leimersheim, Oberrhein, Germany. Holotype SMF 10991.

Pseudunio Haas, 1910. Nachr. Bl. dtsch. malak. Ges., **42** (4): pp. 181–183. Type species—*Unio sinuata* Lamarck, 1819.

Pseudopapuina Haas, 1934. Zool. Anz., **108** (7/8): p. 202. Type species—*Planispira* (*Pseudopapuina*) *peculiaris* Haas, 1934.

Psorula Haas, 1930. Senckenbergiana, **12** (6): pp. 319–320. Type species—*Quadrula rudis* Simpson, 1900.

punctilineatus Haas, 1951; *Bulimulus* (*Scutalus*). Fieldiana: Zool., **31** (46): pp. 517–518, fig. 105—Sahuayaco in the Urubamba Valley, Peru, at 800 meters elevation. Holotype FMNH 30914.

pusilla Haas, 1949; *Littoridina*. Ann. Inst. Biol., Mexico, **20** (1–2): p. 310, fig. 3 —Lago do Tostão, Pará, Brazil, at 4.90 meters depth. Holotype FMNH 29205.

pyrgidium Haas, 1955; *Bulimulus* (*Peronaeus*). Fieldiana: Zool., **37**: pp. 321–323, fig. 66 —Hacienda Mozobamba, Ongoy, Andahuaylas, Apurimac, Peru, at 2,500 meters altitude. Holotype FMNH 51310.

rarimaculata Haas, 1912; *Nanina butonensis*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 414—Lipoemangaoe, SE Boeton, Indonesia. Holotype SMF 5851.

rasori Haas, 1912; *Hemiplecta*. Ann. Mag. Nat. Hist. (8), **10** (58:- p. 413—Raha, island of Moena, SE Celebes, Indonesia. Holo) type SMF 5862.

retinella Haas, 1949; *Systrophia* (*Systrophia*). Fieldiana: Zool., **31** (28): pp. 245–246, fig. 57—Contamana, on the Rio Ucayali, Dept. Loreto, Peru. Holotype FMNH 30035.

Rhabdogulella Haas, 1934. Arch. Moll., **66** (6): p. 356. Type species —*Ennea buchholtzi* von Martens, 1876.

rhabdotus Haas, 1951; *Bulimulus* (*Protoglyptus*). Fieldiana: Zool., **31** (46): pp. 512–513, fig. 100—Ambo, near Huánuco, Peru, at 2,000 meters elevation. Holotype FMNH 30915.

Rhamphopoma Haas, 1955. Trans. Linn. Soc. London (3), **1** (3): pp. 298–299. Type species—*Rhamphopoma magnum* Haas, 1955.

Rhombuniopsis Haas, 1920. Senckenbergiana, **2** (5): p. 149. Type species—*Cuneopsis tauriformes* Preston, 1906.

Rhytidonaia Haas, 1936. Abhandl. senckenb. naturf. Ges., **431**: p. 65. Type species—*Caelatura graueri* Haas, 1936.

rollei Haas, 1928; *Bocogeia* (*Lubricetta*). Senckenbergiana, **10** (3/4): p. 94, figs. 5a, 5b, 6—near Nankluft, Gr. Nama-Land, SW Africa. Holotype SMF 3378.

rosini Haas, 1936; *Corbicula albida*. Abhandl. senckenb. naturf. Ges., **431**: pp. 41–42, pl. 3, fig. 2—Hunyani R., near Hunyani Drift, 20 km. south of Salisbury, S Rhodesia, Africa. Holotype SMF 8797.

rudistriatus Haas, 1955; *Bulimulus* (*Lissoacme*). Fieldiana: Zool., **37**: pp. 318–319, fig. 64—Hacienda Palmira, Andahuaylas, Apurimac, Peru, at 2,200 meters elevation. Holotype FMNH 51342.

rudolphi Haas, 1938; *Hydracme*. Arch. Moll., **70** (1): pp. 46–48, fig. 4—Rio São Francisco near Jatobá, State Pernambuco, NE Brazil. Holotype SMF 24365.

rugistriatus Haas, 1952; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **34** (9): pp. 120–121, fig. 21—Hacienda Cadena, Valley Rio Marcapata, Dist. of Marcapata, Prov. Quispicanchi, Dept. Cuzco, Peru, at 1,000 meters elevation. Holotype FMNH 38123.

rugulosa Haas, 1912; *Hemiplecta*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 412—Mengkoka, SE Celebes, Indonesia. Holotype SMF 5863.

rüppelli Haas, 1935; *Galeomma* (*Galeomma*).—Zool. Anz., **109** (7/8): p. 195, figs. 12–13—Red Sea. Holotype SMF 9250.

sabulosus Haas, 1910; *Unio batavus*. Nachr. Bl. dtsch. malak. Ges., **42** (3), Beiträge IV: pp. 59–60—Geräthbach near Mörfelden, Hessen, Germany. Holotype SMF 11015.

sagasteguii Haas, 1966; *Kionoptyx*. Fieldiana: Zool., **44** (25): pp. 239–241, fig. 57a, b—Marcabal, Prov. Huamachuco, Dept. La Libertad, Peru (77°49′W, 7°37′S). Holotype FMNH 131682.

Sairostoma Haas, 1938. Arch. Moll., **70** (4): pp. 206–207. Type species—*Sairostoma perplexum* Haas, 1938.

salinarum Haas, 1929; *Rotundaria*. Senckenbergiana, **11** (5/6): pp. 339–340, figs. 20–21—Rio de las Salinas, N Guatemala. Holotype SMF 3487.

Salpingoma Haas, 1937. Arch. Moll., **69** (1/2): pp. 10–11. Type species—*Helix* (*Acanthinula*) *harpula* Reinhardt, 1886.

sanborni Haas, 1947; *Bulimulus* (*Scutalus*). Fieldiana: Zool., **31** (22): pp. 176–178, fig. 33—Carhuamayo, basin of Lake Junin, Dept. Loreto, Peru, at 15,000–18,000 ft. elevation. Holotype FMNH 25880.

saracochae Haas, 1955; *Littoridina*. Trans. Linn. Soc. London (3), **1** (3): pp. 289–290, fig. 14—G 125.G.I.C. 1215/2b, 2 meters, Lagunilla Saracocha, Saracocha River, Titicaca Basin, Peru. Holotype BMNH 1956.11.5.374.

satura Haas, 1936; *Gulella* (*Primigulella*). Abhandl. senckenb. nat urf. Ges., **431**: pp. 16–17, pl. 1, figs. 2, 2a—mountain west of Bumbuli, Usambara, German East Africa at 1,400 meters elevation. Holotype SMF 8669.

sautteri Haas, 1910; *Cristaria discoidea*. Ann. Mag. Nat. Hist. (8), **6** (35): p. 499—Lake Candidins, Formosa. Holotype SMF 3668.

Scabies Haas, 1911. Syst. Conch. Cab. (9), **2** (2): p. 105. Type species—*Nodularia persculpta* Haas, 1910.

scharonica Haas, 1936; *Helicella* (*Xerocrassa*) *seetzeni*. Zool. Anz., **114** (11/12): pp. 301–304, figs. 12–13—Scharon-Ebene, Palestine. Holotype SMF 10550.

scheibeneri Haas, 1927; *Ctenodesma*. Senckenbergiana, **9** (1): pp. 20–21, pl. 1, fig. 1—Upper course of Soengei Batoe, Kp. Moeara Koeajan, Uterabt, Sampit, U. Dist. Boren-Sampit, Borneo. Holotype SMF 3283.

Schepmania Haas, 1913. Nachr. Bl. dtsch. malak. Ges., **45** (1): pp. 33–34. Type species—*Unio nieuwenhuisi* Schepman, 1898.

Schizocleithrum Haas, 1913. Nachr. Bl. dtsch. malak. Ges., **45** (1): p. 36. Type species—*Unio pajakomboensis* Bullen, 1906.

schmidti Haas, 1955; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **37**: pp. 314–315, fig. 62—Ccachubamba, Marcapata, Cuzco, Peru. Holotype FMNH 51323.

schmidti Haas, 1955; *Thaumastus* (*Scholvienia*). Fieldiana: Zool., **37**: pp. 309–311, fig. 59—Hacienda Piso, Locroja, Huancavelica, Peru. Holotype FMNH 51305.

schödei Haas, 1930; *Unio*. Senckenbergiana, **12** (1): p. 6. New name for *Unio undulatus* Haas, 1910 not Say, 1831.

schomburgki Haas, 1936; *Mutela hargeri*. Abhandl. senckenb. naturf. Ges., **431**: pp. 98–100, pl. 8, fig. 3a–e—Lake Bangweolo near Nsombo, N Rhodesia. Holotype SMF 9551.

schoutedeni Haas, 1936; *Caelatura* (*Kistinaia*). Abhandl. senckenb. naturf. Ges., **431**: pp. 64–65, pl. 5, fig. 4a–d—Luapula River, near Kasenga, Katanga, Belgian Congo. Holotype—Congo Museum in Tervueren.

schubarti Haas, 1938; *Hippeutis*. Arch. Moll., **70** (1): pp. 49–50, fig. 7—Açude Triumpho, State Pernambuco, Northeast Brazil at 1,000 meters elevation. Holotype SMF 24372.

schunkei Haas, 1955; *Aperostoma* (*Aperostoma*). Fieldiana: Zool., **34** (35): pp. 361–363, fig. 70—Chanchamayo Valley, Lima, Peru, at 1,200 meters elevation. Holotype FMNH 47080.

schunkei Haas, 1949; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **31** (28): pp. 237–238, fig. 50b—Cerro Azul, on Rio Ucayali, Dept. Loreto, Peru. Holotype FMNH 30040.

semistriatus Haas, 1955; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **34** (35): pp. 374–375, fig. 77—Fazenda Ipanema, Varnhagen District, São Paulo, Brazil. Holotype FMNH 49784.

sentaniensis Haas, 1924; *Hyridella*. Nova Guinea, **15** (1): p. 72, pl. 2, fig. 6—Lake Sentani, New Guinea. Holotype—Zoologisch Museum Amsterdam.

Sinotaia Haas, 1939. Field Mus. Nat. Hist., Zool. Ser., **24** (8): p. 96. Type species—*Paludina quadrata* Benson, 1842.

Sioliella Haas, 1949. Ann. Inst. Biol. Mexico, **20** (1–2): p. 308. Type species—*Sioliella effusa* Haas, 1949.

siolii Haas, 1952; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **34** (9): pp. 108–109, fig. 14—Cacaual Grande, Furo Piapó, on tree branches above flooded area, Pará, Brazil. Holotype FMNH 38170.

siolii Haas, 1949; *Helicina* (*Helicina*). Arch. Moll., **78** (4/6): p. 159, pl. 7, fig. 4—mouth Rio Branco de Obidos, Pará, Brazil. Holotype FMNH 30425.

siolii Haas, 1949; *Littoridina*. Ann. Inst. Biol. Mexico, **20** (1–2): pp. 310–312, fig. 4—Rio São Manoel, Remanso, Pará, Brazil. Holotype FMNH 29192.

siolii Haas, 1955; *Systrophia* (*Systrophia*). Arch. Moll., **84** (1/3): pp. 103–104, figs. 4–6—Serra Formosa near Mulata, Monte Alegre, Pará, Brazil. Holotype FMNH 52352.

soembawana Haas, 1912; *Neritina* (*Clithon*). Ann. Mag. Nat. Hist. (8), **10** (58): p. 418—Bima, N coast of Soembawa, Indonesia. Holotype SMF 5967.

soembawana Haas, 1912; *Vivipara javanica*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 418—Dompoe, Soembawa, Indonesia. Holotype SMF 5979.

solidus Haas, 1911; *Pseudodon*. Nachr. Bl. dtsch. malak. Ges., **43** (1): pp. 46–47—Hunan, Central China. Holotype SMF 3583 (destroyed during war).

stappersi Haas, 1936; *Mesafra mesafricana*. Abhandl. senckenb. naturf. Ges., **431**: p. 84, pl. 7, figs. 2a, 2b—Luapula River near Kasenga, Belgian Congo. Holotype Congo Museum at Tervueren.

sterni Haas, 1912; *Trochomorpha* (*Videna*). Ann. Mag. Nat. Hist. (8), **10** (58): p. 414—Tihoe, island of Wetar, Indonesia. Holotype SMF 5890.

steyermarki Haas, 1955; *Plecocheilus* (*Eurytus*). Fieldiana: Zool., **34** (35): pp. 377–378, fig. 79—plateau below summit of Apacará-tepui, northwest part of Chimantá-massif, State of Bolívar, Venezuela. Holotype FMNH 49735.

stiphra Haas, 1955; *Littoridina*. Trans. Linn. Soc. London (3), **1** (3): pp. 285–286, fig. 8—G. 27 G.I.C. 873/6, ca. 3 meters depth, Molinopampa, Lago Grande, Lake Titicaca, Peru. Holotype BMNH 1956.11.5.1179.

stresemanni Haas, 1913; *Isidora*. Nachr. Bl. dtsch. malak. Ges., **45** (4): p. 184—Lake Wakolo in Central Buru, Indonesia. Holotype SMF 807A.

striatissimus Haas, 1912; *Melanoides*. Ann. Mag. Nat. Hist. (8), **10** (58): pp. 419–420—Kabaëna, Indonesia. Holotype SMF 5967 (destroyed during war).

Strombopoma Haas, 1955. Trans. Linn. Soc. London (3), **1** (3): pp. 296–297. Type species—*Littoridina* (*Heleobia*) *ortoni* Pilsbry, 1924.

subcostatus Haas, 1948; *Bulimulus* (*Protoglyptus*). Fieldiana: Zool., **31** (23): pp. 190–192, fig. 39—Jaën, Dept. Cajamarca, Peru, at 1,500–2,100 ft. elevation. Holotype FMNH 29148.

subdoliolum Haas, 1935; *Buliminopsis* (*Buliminopsis*). Zool. Anz., **109** (7/8): p. 192, fig. 8—Badung, Prov. Hupé, China. Holotype SMF 9323.

subelatus Haas, 1948; *Bulimulus* (*Peronaeus*). Fieldiana: Zool., **31** (23): pp. 189–190, fig. 38—Ambo near Huanuco, Dept. Huanuco, Peru, at 6,300 feet elevation. Holotype FMNH 29146.

subgradatus Haas, 1952; *Potamopyrgus* (*Potamopyrgus*). Fieldiana: Zool., **34** (9): p. 111, fig. 15—in residual pools of Amazon River at Cacaual Grande, Pará, Brazil. Holotype FMNH 38215.

sublaevis Haas, 1912; *Plotia scabra*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 419—Sadjang, Lombok, Indonesia. Holotype SMF 5971.

subschlegeli Haas, 1919; *Hyriopsis*. Jb. Preuss. Geol. Landesanstalt, **40**, Teil 2 (1): pp. 148–150, pl. 4, figs. 1–2—Icksberg near Brachter Forest, Nordrhein, Westfalen, Germany. Holotype probably in Geol. Landesmuseum, Berlin.

subsellae Haas, 1936; *Gulella* (*Gulella*). Abhandl. senckenb. naturf. Ges., **431**: p. 17, pl. 1, fig. 3—Oldeani, south side of Ngoro-ngoro Mt., German East Africa at 1,800 meters elevation in rain forest. Holotype SMF 8671.

subumbilicata Haas, 1937; *Gastrocopta* (*Gastrocopta*). Arch. Moll., **69** (1/2): pp. 2–4, pl. 1, figs. 1–2—Rio Tumbes, Peru. Holotype SMF 11056.

superstructum Haas, 1955; *Aperostoma* (*Incidostoma*). Fieldiana: Zool., **34** (35): pp. 364–365, fig. 72—between San José de Sisa and Cunumbuque, Prov. of Lamas, Dept. of San Martin, Peru, at 1,000–1,200 meters elevation. Holotype FMNH 47082.

supranodata Haas, 1934; *Pseudoaspasita*. Zool. Anz., **108** (7/8): pp. 203–205, fig. 5—Badung, Hubei, China. Holotype SMF 8697.

Tamsiella Haas, 1931. Senckenbergiana, **13** (2): p. 87. Type species—*Monocondylaea tamsiana* Dunker, 1858.

tatei Haas, 1955; *Plecocheilus* (*Eurytus*). Fieldiana: Zool., **34** (35): pp. 385–386, fig. 84—"Ledge 23B," Mount Duida, Territory of the Amazon, Venezuela. Holotype AMNH 73455.

tenimberica Haas, 1937; *Nesopupa* (*Insulipupa*). Arch. Moll., **69** (1/2): pp. 4–5, pl. 1, figs. 5–6—Tenimber Islands, Indonesia. Holotype SMF 10761.

tenuis Haas, 1955; *Strophocheilus* (*Microborus*). Fieldiana: Zool., **37**: pp. 330–331, fig. 70—Yungay, Ancash, Peru. Holotype FMNH 51925.

teres Haas, 1949; *Obelicus* (*Protobeliscus*). Fieldiana: Zool., **31** (28): pp. 240–241, fig. 52—Divisoria, Dept. Huanuco, Peru, at 5,000 feet elevation. Holotype FMNH 30028.

tetricus Haas, 1951; *Thaumastus* (*Quechua*). Fieldiana: Zool., **31** (46): pp. 523–524, fig. 110—Huacapistana on Rio Tarma, Junín Prov., Peru. Holotype FMNH 30920.

Thaumatogulella Haas, 1951. Nautilus, **64** (4): p. 134. Type species—*Gulella prodigiosa* E. A. Smith, 1902

Torobaena Haas, 1935. Arch. Moll., **67** (1): pp. 45–46. Type species—*Helix rostrella* Pfeiffer, 1862.

torocincta Haas, 1933; *Helicella* (*Jacosta*) *syrensis*. Senckenbergiana, **15** (1/2): pp. 27–28, fig. 8—Cape Greco, Cyprus. Holotype SMF 6833.

Torotaia Haas, 1939. Field Mus. Nat. Hist., Zool. Ser., **24** (8): p. 96. Type species—*Vivipara clemensi* Bartsch, 1909.

Trachychloritis Haas, 1934. Zool. Anz., **108** (7/8): p. 203. Type species—*Chloritis* (*Trachychloritis*) *verrucosa* Haas, 1934.

transsylvanica Haas, 1911; *Anodonta piscinalis*. Rossmässler's Icon. land-u-Süssw. Moll., N.F., **17**: p. 50, pl. 473, fig. 2541; pl. 474, fig. 2542—Zibinfluss near Hermannstadt, Siebenburgen, Rumania. Holotype SMF 5153.

trauti Haas, 1912; *Nanina*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 413—Baoe-baoe, Boeton, off SE Celebes, Indonesia. Holotype SMF 5854.

tricarinatus Haas, 1912; *Lagochilus*. Ann. Mag. Nat. Hist. (8), **10** (58): pp. 417–418—Kabaëna Island, Indonesia. Holotype SMF 5908.

trigonostoma Haas, 1934; *Solaropsis*. Senckenbergiana, **16** (2/3): pp. 94–95, figs. 1–5—João Pessôa, Parahyba do Norte, Brazil. Holotype SMF 7907.

tumens Haas, 1910; *Anodontites lautus*. Ann. Mag. Nat. Hist. (8), **6** (35): p. 499—Yamashiro, Japan. Holotype SMF 3671.

tumens Haas, 1955; *Nenia* (*Neniatracta*) *adusta*. Fieldiana: Zool., **37**: pp. 305–306, fig. 57—on km. 62 of the road between Huancayo and Mejorada, Huancavelica, Peru. Holotype FMNH 51361.

umbilicatum Haas, 1955; *Heligmopoma*. Trans. Linn. Soc. London (3), **1** (3): pp. 300–301, fig. 26—P.56.G.I.C. 1008/2, Siripata Bay, Lake Titicaca, Peru. Holotype BMNH 1956.11.5.157.

undulata Haas, 1910; *Nodularia*. Ann. Mag. Nat. Hist. (8), **6** (35): pp. 497–498—Pisui, Hainan, China. Holotype Berlin Museum.

undata Haas, 1966; *Solaropsis* (*Psadara*). Fieldiana: Zool., **44** (25): pp. 235–238, figs. 50–53—North of coulee no. 3 of Rio Guayabero, in direction of La Macarena, Dept. Meta, Colombia (ca. 74°W, 2°30'S). Holotype FMNH 114100.

Uniandra Haas, 1913. Syst. Conch. Cab. (9), **2** (2): p. 140. Type species—*Unio inaequalis* Rochebrune, 1882.

Unionella Haas, 1913. Nachr. Bl. dtsch. malak. Ges., **45** (1): pp. 37–38. Type species—*Unio fabagina* Deshayes and Jullien, 1874.

Unionetta Haas, 1955. Arch. Moll., **84** (4/6): p. 212. New Name for *Unionella* Haas, 1913 not Etheridge, 1888.

unizonata Haas, 1966; *Helicina* (*Oxyrhombus*). Fieldiana: Zool., **44** (25): pp. 231–233, fig. 48—Region Nueva Granada, Upper Rió Putumayo, downstream from Puerto Asís, Putumayo, Colombia (76°27′W, 0°24′N). Holotype FMNH 114098.

variegatus Haas, 1949; *Austroselenites*. Fieldiana: Zool., **31** (28): pp. 247–248, fig. 59—Cerro Azul, on Rio Ucayali, Dept. Loreto, Peru. Holotype FMNH 30037.

ventricosulus Haas, 1912; *Melanoides crepidinatus*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 420—Mengkoka, southeast Celebes, Indonesia. Holotype SMF 5963.

Vermetellus Haas, 1951. Fieldiana: Zool., **31** (46): p. 520. Type species—*Bostryx metagyra* Pilsbry & Olsson, 1949.

verrucosa Haas, 1934; *Chloritis* (*Trachychloritis*). Zool. Anz., **108** (7/8): p. 203, figs. 3–4—Sjerak Island, Tenimber Islands. Holotype SMF 9108.

verrucosa Haas, 1910; *Nodularia*. Nachr. Bl. dtsch. malak. Ges., **42** (3): pp. 99–100—Hunan, Middle China. Holotype SMF 3660.

vestita Haas, 1955; *Littoridina*. Trans. Linn. Soc. London (3), **1** (3): p. 290, fig. 15—G. 122. G.I.C. 121216, 3–5 meters depth, Lagunilla Saracocha, Titicaca Basin, Peru. Holotype BMNH 1956. 11.5.371.

virgula Haas, 1951; *Bulimulus* (*Peronaeus*). Fieldiana: Zool., **31** (46): pp. 514–515, fig. 102—Ninabamba on the Pampas River, Peru, at 2,700 meters elevation. Holotype FMNH 30917.

viridulum Haas, 1952; *Aperostoma* (*Aperostoma*). Fieldiana: Zool., **34** (9): pp. 113–114, fig. 16—Machu Picchu near Cuzco, on Río Urubamba, Peru, at 2,100 meters elevation. Holotype FMNH 38379.

webbi Haas, 1951; *Bulimulus* (*Peronaeus*). Fieldiana: Zool., **31** (46): pp. 513–514, fig. 101—Tacana, near Surcubamba, Dept. Tayacaya, Peru. Holotype FMNH 31335.

wetarana Haas, 1912; *Neritina* (*Neritina*). Ann. Mag. Nat. Hist. (8), **10** (58): p. 419—Ilwaki R., near Ilmedo, Wetar, Indonesia. Holotype SMF 5975.

wetarana Haas, 1912; *Xesta rugosissima*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 412—Tihoe, Wetar, Indonesia. Holotype SMF 5858.

wetaranus Haas, 1912; *Amphidromus*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 415—Tihoe, island of Wetar, Indonesia. Holotype SMF 5893.

wetaranus Haas, 1912; *Cyclophorus*. Ann. Mag. Nat. Hist. (8), **10** (58): p. 417—Ilwaki, Wetar, Indonesia. Holotype SMF 5910.

weyrauchi Haas, 1951; *Austroselenites*. Fieldiana: Zool., **31** (46): pp. 535–537, fig. 119—Cuzco, Peru, at 3,500 meters elevation. Holotype FMNH 30939.

weyrauchi Haas, 1952; *Calaperostoma*. Fieldiana: Zool., **34** (9): pp. 115–116, fig. 18—Oxapampa, Peru, at 1,700 meters elevation. Holotype FMNH 38377.

weyrauchi Haas, 1948; *Helicina* (*Helicina*). Fieldiana: Zool., **31** (23): pp. 192–193, fig. 40—Jaën, Dept. Cajamarca, Peru, at 15,000 feet elevation. Holotype FMNH 29142.

ylinicum Haas, 1937; *Hypselostoma polyodon*. Arch. Moll., **69** (1/2): pp. 5–6, pl. 1, figs. 10–12—Ylin Island, South Mindoro, Philippines. Holotype SMF 10769.

Zairiella Haas, 1963. Arch. Moll., **91** (4/6): p. 215. Type species—*Caelatura* (*Zairia*?) *cridlandi* Mandahl-Barth, 1954.

zilchi Haas, 1955; *Drymaeus* (*Drymaeus*). Fieldiana: Zool., **37**: pp. 333–334, fig. 73—Huasimo, Tumbes, Peru, at 220 meters elevation. Holotype FMNH 5197.

zischkai Haas, 1952; *Streptaxis* (*Streptartemon*). Fieldiana: Zool., **34** (9): pp. 131–132, fig. 26—Magdalena, Amazonian Region, Bolivia, at 250 meters elevation. Holotype FMNH 39437.

zulu Haas, 1936; *Pseudoglessula* (*Kempioconcha*). Abhandl. senckenberg. naturf. Ges., **431**: p. 14, pl. 1, fig. 9—Umfolzi Game Reserve, Zululand. Holotype SMF 8169.

SYSTEMATIC LIST OF NAMES

The classification is that currently used in the collection at Field Museum of Natural History, a slight modification of the Thiele-Wenz-Zilch system. With one exception, names are in the family unit originally used or as subsequently restricted in generally accepted monographic studies. *Coarctatio* Haas, 1945, a synonym of *Stenopylis* Fulton, 1914, has been transferred from the Streptaxidae to its proper position in the Endodontidae.

Although a vast number of families are represented, his long interest in the Unionacea (90 names), Bulimulacea (59 names) and Hydrobiidae (34 names) is clearly indicated by their preponderance.

Class Bivalvia

Family Malletiidae
Malletia (*Malletia*) *bermudensis* Haas, 1949

Family Margaritanidae
Margaritana margaritifera parvula Haas, 1908
Pseudunio Haas, 1910

Family Unionidae
Afroparreysia Haas, 1936
Afronaia Haas, 1963
Anodonta piscinalis transsylvanica Haas, 1911
Anodonta (*Pseudanodonta*) *nicarica* Haas, 1908
Anodontites lautus tumens Haas, 1910
Aspatharia (*Spathopsis*) *dautzenbergi* Haas, 1936
Caelatura graueri Haas, 1927
Caelatura (*Caelatura*) *choziensis bangweolica* Haas, 1936
Caelatura (*Kistinaia*) *schoutedeni* Haas, 1936
Chrysopseudodon Haas, 1920
Conchodromus Haas, 1930
Contradens Haas, 1913
Contradens semmelincki fultoni Haas, 1930
Cosmopseudodon Haas, 1920
Cristaria discoidea sautteri Haas, 1910
Cristaria inangulata Haas, 1910
Ctenodesma scheibeneri Haas, 1927
Cuneopsis demangei Haas, 1929
Diplopseudodon Haas, 1920
Elliptio (*Nephronaias*) *hermanni* Haas, 1929
Elongaria Haas, 1913

Hyridella sentaniensis Haas, 1924
Hyriopsis altealata Haas, 1919
Hyriopsis gracilis Haas, 1910
Hyriopsis subschlegeli Haas, 1919
Inversidens Haas, 1911
Kalliphenga Haas, 1936
Kistinaia Haas, 1936
Leiovirgus Haas, 1911
Margaritanopsis Haas, 1913
Mesafra Haas, 1936
Mesafra mesafricana stappersi Haas, 1936
Mweruëlla Haas, 1936
Nesonaia Haas, 1913
Nodularia continentalis Haas, 1910
Nodularia denserugata Haas, 1910
Nodularia douglasiae crassidens Haas, 1910
Nodularia hirasei Haas, 1911
Nodularia parcedentata Haas, 1911
Nodularia persculpta Haas, 1910
Nodularia undulata Haas, 1910
Nodularia verrucosa Haas, 1910
Nyassunio Haas, 1936
Oxynaia Haas, 1913
Parreyssia hunanensis Haas, 1910
Pressidens Haas, 1910
Pressidens moellendorffi Haas, 1910
Prohyriopsis Haas, 1914
Protunio Haas, 1913
Pseudanodonta compacta küsteri Haas, 1913
Pseudodon solidus Haas, 1911
Psorula Haas, 1930
Ptychorhynchus laevis Haas, 1910
Rhombuniopsis Haas, 1920
Rhytidonaia Haas, 1936
Rotundaria salinarum Haas, 1929
Scabies Haas, 1911
Schepmania Haas, 1913
Schizocleithrum Haas, 1913
Trapezoideus prashadi Haas, 1922
Uniandra Haas, 1913
Unio batavus badensis Haas, 1910
Unio batavus catalonicus Haas, 1921
Unio batavus hexameri Haas, 1911
Unio batavus kobeltianus Haas, 1913
Unio batavus palatinus Haas, 1911
Unio batavus probavaricus Haas, 1911
Unio batavus sabulosus Haas, 1910
Unio cathaicus Haas, 1930
Unio crassus heimburgi Haas, 1911

Unio gentilis Haas, 1911
Unio hassiae Haas, 1908
Unio kinkelini Haas, 1908
Unio lauterborni Haas, 1909
Unio pseudocrassus Haas, 1909
Unio schödei Haas, 1930
Unionella Haas, 1913
Unionetta Haas, 1955
Zairiella Haas, 1963

Family Mutelidae
Diplodon guayanensis Haas, 1929
Diplodon hidalgoi Haas, 1916
Diplodon (Diplodon) besckeanus nordestinus Haas, 1938
Diplodon (Diplodon) losadae Haas, 1966
Hydridella sentaniensis Haas, 1924
Marshalliella Haas, 1931
Mutela hargeri schomburgki Haas, 1936
Mycetopoda bolivari Haas, 1916
Tamsiella Haas, 1931

Family Corbiculidae
Corbicula albida rosini Haas, 1936

Family Sphaeriidae
Sphaerium hartmanni bangweolicum Haas, 1936
Sphaerium hartmanni congicum Haas, 1936

Family Erycinidae
Galeomma (Galeomma) rüppelli Haas, 1935

Class Gastropoda
Sub-Class Prosobranchia

Family Uncertain
Polyhyba Haas, 1947
Polyhyba dybasi Haas, 1947

Family Neritidae
Neritina (Clithon) soembawana Haas, 1912
Neritina (Neritina) wetarana Haas, 1912
Septaria elberti Haas, 1912

Family Helicinidae
Helicina (Helicina) munda Haas, 1951
Helicina (Helicina) siolii Haas, 1949
Helicina (Helicina) weyrauchi Haas, 1948
Helicina (Oxyrhombus) unizonata Haas, 1966

Family Cyclophoridae
Cyclophorus wetaranus Haas, 1912
Cyclotus (Cyclotus) discoidellus Haas, 1933
Cyclotus discoideus Haas, 1912
Lagochilus tricarinatus Haas, 1912
Leptopoma celebesianum concolor Haas, 1912

Family Poteriidae
Aperostoma (*Aperostoma*) *indecisum* Haas, 1952
Aperostoma (*Aperostoma*) *schunkei* Haas, 1955
Aperostoma (*Aperostoma*) *viridulum* Haas, 1952
Aperostoma (*Incidostoma*) *dilatatum* Haas, 1955
Aperostoma (*Incidostoma*) *superstructum* Haas, 1955
Calaperostoma weyrauchi Haas, 1952

Family Diplommatinidae
Malarinia Haas, 1961
Malarinia hova Haas, 1961

Family Viviparidae
Acanthotropis Haas, 1939
Sinotaia Haas, 1939
Torotaia Haas, 1939
Vivipara javanica lombocensis Haas, 1912
Vivipara javanica soembawana Haas, 1912
Vivipara maritzana Haas, 1913
Viviparus unicolor pitmani Haas, 1934
Viviparus (*Bellamya*) *contractus* Haas, 1934
Viviparus (*Bellamya*) *monardi* Haas, 1934

Family Ampullaridae
Lanistes (*Meladomus*) *ovum bangweolicus* Haas, 1936

Family Valvatidae
Pleurovalvata Haas, 1951

Family Pomatiasidae
Annularia barkeri Haas, 1951

Family Hydrobiidae
Brachypyrgulina Haas, 1955
Brachypyrgulina carinifera Haas, 1955
Bythinella brevis persuturata Bofill, Haas and Aguilar-Amat, 1921
Bythinella compressa montis-avium Haas, 1914
Ecpomastrum Haas, 1957
Ecpomastrum mirum Haas, 1957
Heligmopoma Haas, 1955
Heligmopoma umbilicatum Haas, 1955
Hydracme Haas, 1938
Hydracme rudolphi Haas, 1938
Lartetia sterkiana lauterborni Haas, 1936
Limnothauma Haas, 1955
Limnothauma crawfordi Haas, 1955
Littoridina aperta Haas, 1955
Littoridina inconspicua Haas, 1938
Littoridina lacustris Haas, 1955
Littoridina languiensis Haas, 1955
Littoridina profunda Haas, 1955
Littoridina pusilla Haas, 1949
Littoridina siolii Haas, 1949

Littoridina saracochae Haas, 1955
Littoridina stiphra Haas, 1955
Littoridina vestita Haas, 1955
Potamopyrgus fagundesi Haas, 1938
Potamopyrgus (*Aroa*) *latus* Haas, 1949
Potamopyrgus (*Potamopyrgus*) *amazonicus* Haas, 1949
Potamopyrgus (*Potamopyrgus*) *subgradatus* Haas, 1952
Rhamphopoma Haas, 1955
Rhamphopoma magnum Haas, 1955
Rhamphopoma parvum Haas, 1955
Sioliella Haas, 1949
Sioliella effusa Haas, 1949
Strombopoma Haas, 1955
Strombopoma gracile Haas, 1955

Family Rissoidae
Alvania (*Willexia*) *microglypta* Haas, 1943

Family Thiaridae
Melanoides crepidinatus ventricosulus Haas, 1912
Melanoides striatissimus Haas, 1912
Melanoides tuberculatus nudatus Haas, 1912
Microdontia ovata Haas, 1910
Plotia scabra sublaevis Haas, 1912
Tarebia celebensis boetonensis Haas, 1912

Family Diastomidae
Alabina longinqua Haas, 1949

Family Naticidae
Natica (*Tectonatica*) *micra* Haas, 1952

Family Magilidae
Coralliophila profundicola Haas, 1949

Family Fasciolariidae
Latirus festivus Haas, 1941

Family Turridae
Bathybermudia Haas, 1949
Bathybermudia carynae Haas, 1949
Cymatosyrinx bartschi Haas, 1941
Ithycythara hyperlepta Haas, 1952

Sub-Class Opisthobranchia

Family Pyramidellidae
Chrysallida (*Chrysallida*) *ornatissima* Haas, 1943

Sub-Class Pulmonata

Family Ellobiidae
Auriculastra nana Haas, 1950
Bullapex Haas, 1950
Pedipes insularis Haas, 1950

Family Chilinidae
Chilina minuta Haas, 1951

Family Physidae
Physa (*Plesiophysa*?) *ornata* Haas, 1938

Family Lymnaeidae
Limnaea buruana Haas, 1913
Limnaea javanica elbertae Haas, 1912
Limnaea javanica nana Haas, 1912

Family Ferrissiidae
Anisancylus lagunarum Haas, 1955

Family Planorbidae
Biomphalaria ruppellii katangae Haas, 1934
Bulinus (*Bulinus*) *hemprichii depressus* Haas, 1936
Bulinus (*Diastropha*) *contortus bullaceus* Haas, 1936
Bulinus (*Physastra*) *confertus liratinus* Haas, 1934
Hippeutis schubarti Haas, 1938
Isidora stresemanni Haas, 1913
Obstructio Haas, 1939
Planorbis (*Gyraulis*) *elberti* Haas, 1912
Taphius montanus bakeri Haas, 1955

Family Vertiginidae
Gastrocopta (*Gastrocopta*) *subumbilicata* Haas, 1937
Gastrocopta (*Immersidens*) *hummelincki* Haas, 1960
Nesopupa (*Insulipupa*) *tenimberica* Haas, 1937

Family Chondrinidae
Boysidia (*Boysidia*) *gracilis* Haas, 1937
Hypselostoma luzonicum grande Haas, 1937
Hypselostoma luzonicum lubanicum Haas, 1937
Hypselostoma polyodon ylinicum Haas, 1937

Family Valloniidae
Pupisoma (*Pupisoma*) *gracile* Haas, 1937
Salpingoma Haas, 1937

Family Enidae
Cerastus (*Cerastus*) *lymnaeiformis* Haas, 1936
Ena (*Heudiella*) *phaedusoides krejcii* Haas, 1933 (=*consona* Haas, 1951)
Ena (*Mirus*) *krejcii* Haas, 1933
Rachis gracillima Haas, 1936
Zebrina (*Styloptychus*) *amphischnus* Haas, 1933

Family Acavidae
Strophocheilus (*Microborus*) *tenuis* Haas, 1955

Family Clausiliidae
Clausilia (*Pseudonenia*) *simillima kabaënae* Haas, 1912
Nenia (*Columbinia*) *obesa* Haas, 1949
Nenia (*Neniatracta*) *adusta tumens* Haas, 1955

Nenia (?) *angrandi kalinowskii* Haas, 1955
Temesa dichroa Haas, 1929

Family Endodontidae
Afropunctum Haas, 1934
Afropunctum mermodi Haas, 1934
Coarctatio Haas, 1945
Radiodiscus (*Radioconus*) *microhelix* Haas, 1951

Family Zonitidae
Calloretinella Haas, 1934
Retinella (*Calloretinella*) *mavromoustakisi* Haas, 1934

Family Trochomorphidae
Trochomorpha (*Videna*) *gründleri* Haas, 1912
Trochomorpha (*Videna*) *sterni* Haas, 1912

Family Helicarionidae
Dyakia duumvirorum Haas, 1951
Everettia iridescens Haas, 1912
Hemiplecta demmeri Haas, 1912
Hemiplecta rasori Haas, 1912
Hemiplecta (*Rhysota*) *rugulosa* Haas, 1912
Ledoulxia connollyi Haas, 1932
Nanina butonensis hageni Haas, 1912
Nanina butonensis rarimaculata Haas, 1912
Nanina trauti Haas, 1912
Sitala concavispira Haas, 1936
Xesta everetti elberti Haas, 1912
Xesta rugosissima wetarana Haas, 1912
Xestina chrysoraphe krejcii Haas, 1933

Family Subulinidae
Bocageia (*Liobocageia*) *elata* Haas, 1936
Bocageia (*Lubricetta*) *rollei* Haas, 1928
Diaopeas Haas, 1962
Leptinaria (*Lamellaxis*) *eyerdami* Haas, 1951
Lubricetta Haas, 1928
Neoglessula corpulenta Haas, 1932
Obeliscus (*Protobeliscus*) *nanus* Haas, 1951
Obeliscus (*Protobeliscus*) *teres* Haas, 1949
Prosopeas elberti Haas, 1912
Prosopeas hasta Haas, 1912
Pseudoglessula (*Ischnoglessula*) *monardi* Haas, 1935
Pseudoglessula (*Kempioconcha*) *zulu* Haas, 1936

Family Oleacinidae
Euglandina (*Euglandina*) *cylindrus angusta* Haas, 1951

Family Bulimulidae
Basileostylus Haas, 1935
Bulimulus (*Ataxus*) *perforatus* Haas, 1951
Bulimulus (*Bulimulus*) *inconspicuus* Haas, 1949
Bulimulus (*Lissoacme*) *extraneus* Haas, 1955

Bulimulus (*Lissoacme*) *rudistriatus* Haas, 1955
Bulimulus (*Peronaeus*) *acme* Haas, 1955
Bulimulus (*Peronaeus*) *claviformis* Haas, 1951
Bulimulus (*Peronaeus*) *extensus* Haas, 1955
Bulimulus (*Peronaeus*) *mordens* Haas, 1952
Bulimulus (*Peronaeus*) *pyrgidium* Haas, 1955
Bulimulus (*Peronaeus*) *subelatus* Haas, 1948
Bulimulus (*Peronaeus*) *virgula* Haas, 1951
Bulimulus (*Peronaeus*) *webbi* Haas, 1951
Bulimulus (*Protoglyptus*) *rhabdotus* Haas, 1951
Bulimulus (*Protoglyptus*) *subcostatus* Haas, 1948
Bulimulus (*Rhabdotus*) *fonsecanus* Haas, 1961
Bulimulus (*Rhinus*) *obeliscus* Haas, 1936
Bulimulus (*Scutalus*) *achrous* Haas, 1952
Bulimulus (*Scutalus*) *haenkei* Haas, 1955
Bulimulus (*Scutalus*) *longitudinalis* Haas, 1955
Bulimulus (*Scutalus*) *phaeocheilus* Haas, 1955
Bulimulus (*Scutalus*) *punctilineatus* Haas, 1951
Bulimulus (*Scutalus*) *revinctus altorum* Haas, 1951
Bulimulus (*Scutalus*) *sanborni* Haas, 1947
Drymaeus gorgonensis Haas, 1966
Drymaeus (*Drymaeus*) *basitorus* Haas, 1951
Drymaeus (*Drymaeus*) *catenae* Haas, 1952
Drymaeus (*Drymaeus*) *coelestini* Haas, 1952
Drymaeus (*Drymaeus*) *eucosmetus* Haas, 1955
Drymaeus (*Drymaeus*) *gibber* Haas, 1949
Drymaeus (*Drymaeus*) *griffini* Haas, 1955
Drymaeus (*Drymaeus*) *latitesta* Haas, 1952
Drymaeus (*Drymaeus*) *limicolarioides* Haas, 1936
Drymaeus (*Drymaeus*) *pergracilis* Haas, 1952
Drymaeus (*Drymaeus*) *pseudelatus* Haas, 1951
Drymaeus (*Drymaeus*) *rugistriatus* Haas, 1952
Drymaeus (*Drymaeus*) *schmidti* Haas, 1955
Drymaeus (*Drymaeus*) *schunkei* Haas, 1949
Drymaeus (*Drymaeus*) *semistriatus* Haas, 1955
Drymaeus (*Drymaeus*) *siolii* Haas, 1952
Drymaeus (*Drymaeus*) *zilchi* Haas, 1955
Dryptus lasalleanus Haas, 1959
Kionoptyx Haas, 1966
Kionoptyx sagasteguii Haas, 1966
Maoristylus Haas, 1935
Neopetraeus platycheilus Haas, 1955
Placostylus (*Placostylus*) *leoni* Haas, 1935
Plecocheilus (*Plecocheilus*) *fulminans alticola* Haas, 1955
Plecocheilus (*Eurytus*) *juliani* Haas, 1955
Plecocheilus (*Eurytus*) *mundi-perditi* Haas, 1955
Plecocheilus (*Eurytus*) *ortizianus* Haas, 1955
Plecocheilus (*Eurytus*) *steyermarki* Haas, 1955

Plecocheilus (*Eurytus*) *tatei* Haas, 1955
Thaumastus (*Scholvienia*) *schmidti* Haas, 1955
Thaumastus (*Quechua*) *tetricus* Haas, 1951
Vermetellus Haas, 1949

Family Odontostomidae
Digerus Haas, 1937
Odontostomus (*Spixia*) *costellifer* Haas, 1936
Odontostomus (*Spixia*) *pervarians* Haas, 1936

Family Systrophiidae
Happia (*Happia*) *cuzcana planior* Haas, 1951
Systrophia (*Systrophia*) *angigyra* Haas, 1949
Systrophia (*Systrophia*) *cereonitens* Haas, 1951
Systrophia (*Systrophia*) *impressa* Haas, 1951
Systrophia (*Systrophia*) *obvoluta* Haas, 1949
Systrophia (*Systrophia*) *platysma* Haas, 1951
Systrophia (*Systrophia*) *retinella* Haas, 1949
Systrophia (*Systrophia*) *siolii* Haas, 1955
Systrophia (*Systrophiella*) *gyrellina* Haas, 1951

Family Haplotrematidae
Austroselenites variegatus Haas, 1949
Austroselenites weyrauchi Haas, 1951

Family Streptaxidae
Diaphera (*Huttonella*) *kohl-larseni* Haas, 1936
Digulella Haas, 1934
Elma bisexigua Haas, 1951
Fultonelma Haas, 1951
Gonaxis (*Gonaxis*) *ordinarius obliquior* Haas, 1936
Gulella (*Gulella*) *subsellae* Haas, 1936
Gulella (*Primigulella*) *satura* Haas, 1936
Rhabdoguella Haas, 1934
Sairostoma Haas, 1938
Sairostoma perplexum Haas, 1938
Streptaxis (*Streptartemon*) *extraneus* Haas, 1955
Streptaxis (*Streptartemon*) *zischkai* Haas, 1952
Tayloria (*Tayloria*) *moncieuxi* Haas, 1934
Thaumatogulella Haas, 1951

Family Corillidae
Amphicoelina Haas, 1933

Family Polygyridae
Polygyra (*Erymodon*) *hertleini* Haas, 1961

Family Camaenidae
Amphidromus wetaranus Haas, 1912
Amphidromus (*Amphidromus*) *moellendorffi* Haas, 1934
Amphidromus (*Goniodromus*) *asper* Haas, 1934
Chloritis (*Trachychloritis*) *verrucosa* Haas, 1934
Chloritis planorbina Haas, 1912
Ganesella microbembix Haas, 1935

Globotrochus Haas, 1935
Obbiberus Haas, 1935
Pleurodonte (*Labyrinthus*) *fragilis* Haas, 1949
Pseudopapuina Haas, 1934
Solaropsis trigonostoma Haas, 1934
Solaropsis (*Psadara*) *angulifera* Haas, 1955
Solaropsis (*Psadara*) *inornata* Haas, 1951
Solaropsis (*Psadara*) *monile peruviana* Haas, 1951
Solaropsis (*Psadara*) *undata* Haas, 1966
Trachychloritis Haas, 1934

Family Helminthoglyptidae
Karlschmidtia Haas, 1955
Karlschmidtia lentiformis Haas, 1955
Epiphragmophora (*Epiphragmophora*) *connectens* Haas, 1959
Epiphragmophora (*Epiphragmophora*) *hemiomphalos* Haas, 1951
Epiphragmophora (*Epiphragmophora*) *leucobasis* Haas, 1951
Epiphragmophora (*Epiphragmophora*) *malkini* Haas, 1962
Epiphragmophora (*Epiphragmophora*) *pilsbryi* Haas, 1934

Family Bradybaenidae
Aegista (*Plectotropis*) *platytrochus* Haas, 1935
Bradybaena disculina Haas, 1933
Buliminopsis (*Buliminopsis*) *subdoliolum* Haas, 1935
Halolimnohelix late-aperta Haas, 1936
Pseudaspasita supranodata Haas, 1934
Torobaena Haas, 1935
Tricheulota phacodes Haas, 1935

Family Helicidae
Iberus (*Iberus*) *gualtierianus posthumus* Haas, 1934
Josephinella Haas, 1936
Lindholmomneme Haas, 1936
Nesiberus Haas, 1934
Helicella (*Jacosta*) *crenimargo convexior* Haas, 1936
Helicella (*Jacosta*) *ledereri picardi* Haas, 1933
Helicella (*Jacosta*) *maximella* Haas, 1936
Helicella (*Jacosta*) *multigradata* Haas, 1936
Helicella (*Jacosta*) *syrensis aulostoma* Haas, 1936
Helicella (*Jacosta*) *syrensis carinato-globosa* Haas, 1934
Helicella (*Jacosta*) *syrensis cypria* Haas, 1933
Helicella (*Jacosta*) *syrensis torocincta* Haas, 1933
Helicella (*Xerocincta*) *ammonis acrenoica* Haas, 1936
Helicella (*Xerocrassa*) *seetzeni scharonica* Haas, 1936
Helicella (*Xeropicta*) *protea mavromoustakisi* Haas, 1933
Helicella (*Xeroplexa*) *amnesta* Haas, 1936
Helicella (*Xerotricha*) *conspurcata distinquenda* Haas, 1936